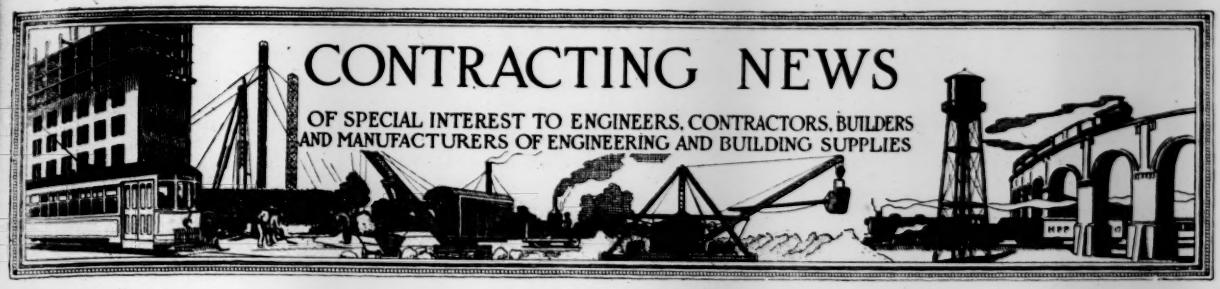
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 52 to 57 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
July 25.	Waverly, Ia.	July 12
Sept. 11.	New York, N. Y.	July 12

SEWERS

July 21.	**Hagerstown, Md.**	**July 12**
July 23.	Wingdale, N. Y.	June 28
	Adv. June 28 to July 12.	
July 23.	Canton, O.	July 19
July 24.	Crosby, Minn.	July 12
July 24.	New Brunswick, N. J.	July 19
July 25.	Orange, Conn.	July 19
	Adv. July 19.	
July 25.	Lebanon, Pa.	July 19
	Adv. July 19.	
July 30.	Mukwonago, Wis.	July 19
July 31.	Linndale, O.	July 5
July 31.	Glenwood, Minn.	July 12
Aug. 1.	Atwater, Minn.	July 12
Aug. 1.	Hazeltown, Md.	July 12
Aug. 1.	Chicago, Ill.	July 19
Aug. 6.	Cleveland Heights, O.	July 19

STRUCTURAL STEEL WORK

July 25.	Warren, O.	July 12
July 27.	Eufaula, Okla.	July 19
July 30.	New York, N. Y.	July 12
July 31.	Norwalk, O.	July 19
July 31.	Seattle, Wash.	July 19
Aug. 2.	Miami, Fla.	June 28
	Adv. June 28 and July 5.	
Aug. 2.	Little Falls, Minn.	July 19
Aug. 3.	Albany, N. Y.	July 19
	Adv. July 19.	
Aug. 6.	Spencer, Ind.	July 19
Aug. 14.	Brazil, Ind.	July 12
Aug. 16.	Hamlin, W. Va.	July 12

REINFORCED CONCRETE

July 23.	Newton, N. J.	July 19
July 23.	Junction City, Kan.	July 19
July 25.	Carroll, Ia.	July 19
July 25.	Tehamah, Neb.	July 19
July 27.	Somerville, N. J.	July 12
July 28.	Sullivan, Ind.	July 12
July 30.	Watsontown, Pa.	July 5
Aug. 3.	Athens, Tenn.	July 19
Aug. 6.	Greenville, Miss.	July 12
Aug. 6.	Columbus, O.	July 19
Aug. 13.	Spencer, W. Va.	July 19
Aug. 22.	Beatrice, Neb.	July 19

STREETS AND ROADS

July 21.	Wauseon, O.	July 5
July 23.	Indiana	July 12
July 23.	Eastwood, N. Y.	July 19
	Adv. July 19.	
July 23.	Columbus, O.	July 19
July 23.	New York, N. Y.	July 19
July 23.	Louisiana	July 19
July 24.	Pennsylvania	July 12
July 24.	Pennsylvania	June 28
July 24.	Pottstown, Pa.	July 12
July 24.	Letcher, Ky.	July 19
July 24.	Michigan City, Ind.	July 19
July 24.	Massachusetts	July 19
July 24.	North Bergen, N. J.	July 19
July 25.	Warsaw, Ind.	July 12
July 25.	Indiana	July 12
July 25.	Idaho	July 5
July 25.	Sidney, O.	July 19
	Adv. July 19.	
July 25.	Cleveland, O.	July 19
July 25.	Huntington, W. Va.	July 19
July 26.	Little Rock, Ark.	July 19
July 26.	Newark, N. J.	July 19
July 26.	East Liverpool, O.	July 19
July 26.	Brooklyn, N. Y.	July 19
July 26.	New York, N. Y.	July 19
July 26.	Bronx, N. Y.	July 19
July 27.	Cincinnati, O.	July 19
July 27.	Ceredo, W. Va.	July 19
July 27.	West Frankfort, Ill.	July 19
July 28.	Somerset, Pa.	July 19
July 30.	Albany, N. Y.	July 19
	Adv. July 19.	
July 30.	Jefferson, O.	July 19
July 30.	Seattle, Wash.	July 19
Aug. 2.	Uniontown, Pa.	July 19
Aug. 3.	Greenville, Miss.	July 19
Aug. 3.	Indianapolis, Ind.	July 19
Aug. 6.	Clifton, Ariz.	July 12
Aug. 6.	Indianapolis, Ind.	July 12
Aug. 7.	Indiana	July 12
Aug. 7.	Houston, Tex.	July 19
Aug. 7.	Huntsville, Tex.	July 19
Aug. 7.	Pennsylvania	July 19
Aug. 8.	Santa Ana, Cal.	July 19
Aug. 13.	Lewiston, Idaho	May 24
Aug. 14.	New Bedford, N. J.	July 19
Aug. 16.	Hamlin, W. Va.	July 12

INDUSTRIAL WORKS

July 25.	Brooklyn, N. Y.	July 12
Aug. 1.	St. Petersburg, Fla.	July 5

EXCAVATION AND DREDGING

July 21.	Cadiz, O.	July 19
July 23.	Marshall, Minn.	July 12
July 23.	White Plains, N. Y.	July 19
July 23.	Mason City, Ia.	July 19
July 24.	Slayton, Minn.	July 5
July 24.	Troy, Ala.	July 19
July 25.	Dyersburg, Tenn.	July 12
July 26.	Brownstown, Ind.	July 19
July 26.	Lawrenceville, Ill.	July 19
July 27.	Detroit, Mich.	July 5
July 30.	Walker, Minn.	July 12
July 30.	Winamac, Ind.	July 19
July 31.	Susanville, Cal.	July 12
July 31.	Central Islip, N. Y.	July 19
	Adv. July 19.	
Aug. 1.	Sac City, Ia.	July 12
Aug. 3.	Lebanon, O.	July 19

BUILDINGS

July 21.	Greencastle, Ind.	July 12
July 21.	Jacksonville, Fla.	July 12
July 21.	Martins Ferry, O.	July 5
July 21.	Livingston, Mont.	July 5
July 23.	Hoisington, Kan.	July 12
July 23.	Columbus Jct., Ia.	June 28
July 24.	Crosby, Minn.	July 12
July 24.	Hutchinson, Kan.	July 19
July 25.	Barksdale, Wis.	July 19
July 25.	McPherson, Kan.	July 19
July 30.	Ft. Wayne, Ind.	June 28
July 31.	Ft. Wayne, Ind.	July 5
Aug. 1.	Stillwater, Okla.	July 12
Aug. 1.	Ft. Wayne, Ind.	July 12
Aug. 1.	Cushing, Okla.	July 19
Aug. 1.	Warroad, Minn.	July 19
Aug. 6.	Cheyenne, Wyo.	July 19
Aug. 6.	Santa Barbara, Cal.	July 19
Aug. 8.	Great Bend, Kan.	July 19
Aug. 20.	Troy, N. Y.	July 12

FEDERAL GOVERNMENT WORK

Bids Close		See Eng. News-Record
July 20.	Ft. Fairfield, Me.	June 21
July 21.	St. Louis, Mo.	July 12
July 23.	Wash., D. C.	July 19
July 30.	Phila., Pa.	July 19
July 30.	St. Louis, Mo.	July 19
July 31.	Key West, Fla.	July 19
Aug. 9.	Louisville, Ky.	July 19
	Adv. July 19.	
Aug. 17.	Lancaster, Ky.	July 19
Aug. 21.	Eldorado, Kan.	July 19
Aug. 22.	Cherokee, Ia.	July 19
July 23.	Cincinnati, O.	June 28
	Adv. June 21 to July 12.	
July 25.	Cherokee, Okla.	July 5
July 25.	Mare Island (Vallejo P. O.), Cal.	July 12
July 25.	Puget Sound (Bremerton P. O.), Wash.	July 12
July 26.	Key West, Fla.	July 12
July 26.	Gallatin, Tenn.	June 28
	Adv. June 21 and 28.	
July 27.	Vernon, Tex.	June 28
July 30.	New York, N. Y.	July 12
July 30.	Keyport, Wash.	July 12
July 30.	San Antonio, Tex.	July 12
July 30.	Newport, R. I.	July 12
July 31.	Chardon, Neb.	July 5
Aug. 3.	Winchester, Mass.	July 5
Aug. 6.	Globe, Ariz.	July 5
Aug. 14.	West Point, Ga.	July 12
Aug. 17.	Wash., D. C.	July 12

MISCELLANEOUS

Aug. 22.	Tunnels—San Francisco, Cal.	July 19
	Adv. July 19.	

Where name of official is not given, inquiries should be addressed to City Clerk' County Clerk or corresponding official.

WATER-WORKS

Proposed Work

N. J., New Brunswick—Bd. Pub. Utilities authorizes Middlesex Water Co., to issue $200,000 bonds for extending water system.

La., Alexandria—City voted $10,000 bonds for installing water-works.

Pa., Harrisburg—City plans installing larger pipe lines, new pumping unit at water-works and increasing capacity reservoir. S. F. Dunkle, supt.

O., Dayton—(Official)—City to sell, Aug. 3, $390,000 bonds for enlarging and improving water-works. H. E. Wall, city accountant.

Minn., Duluth—City soon receives bids, 900 tons c.i. pipe. About $58,000. D. A. Reed, mgr.

Okla., Lawton—City election July 23, to vote on $375,000 bond issue to improve water-works. R. H. Warren, chn. bd. comrs.

Okla., Rocky—City voted $15,000 bonds to improve water-works. Noted June 28.

Water-Works (Continued)

N. B., Edmunston—Town plans additions to aqueduct, sewage plant and electric system. About $75,000.

BIDS DESIRED

Kan., Junction City—See "Reinforced Concrete."

PRICES AND CONTRACTS AWARDED

N. Y., New York—(Official)—City received low bids Contr. No. 184, paving vitr. brick Kensico Aerator from H. E. Fox Constr. Co., 81 East 125th St., $42,850; and Lupfer & Remick, Ellicott Sq., Buffalo, $58,890. Noted June 21.

N. Y., New York—(Official)—City received low bid, Contr. 187, fitting up chemical and bacteriological laboratory, etc., lower gate chamber Ashoken Reservoir, Olive, from Lord Electric Co., 105 West 40th St., $14,839. Noted June 21.

N. Y. New York—(Official)—Bd. Water Supply received only bid Contr. 179, surfacing with vitr. brick block about 2000 ft. highways, Kensico Dam, North Castle, from Empire Eng. Co., 6 Church St., $39,695.

O., Cincinnati—City let contract 1200 tons sulphate iron for water-works to American Steel and Wire Co., 1005 Union Trade Bldg., $19,440.

★**Ill., Maywood**—Village let contract drilling artesian well to S. B. Geiger, 37 Van Buren St., Chicago, $135,500.

Wis., Shawano—(Official)—Electric Light & Water Comn. let contract furnishing high pressure non-condensing heavy duty Corliss engine and 3 motor-driven centrifugal pumps to Allis-Chalmers Co., West Allis. Noted June 28.

Mont., Helena—City sold $225,000 bond issue for installing water system. L. Working, mayor. Noted Apr. 19.

Okla., Lawton—City election, July 23, to vote on $375,000 to improve and extend water system: plans include 2nd pipe line from dam to Ft. Sill. R. H. Warren, chn. bd. comrs.

Cal., Calipatria—North End Water Co. plans to enlarge its dam. About $75,000. E. M. Davis, pres.

★**Que., Pointe Claire**—(Official)—City let contract water filtration plant and lift pumps to Arsenault & Plamondon, 70 St. James St., Montreal, $38,500. Noted June 21.

★**Que., St. Johns**—City let contract constructing filter, water tank and replacing some of the mains to Lanrin & Leitch, 5 Beaver Hall Sq., Montreal, $195,975.

★**Que., Thetford Mines**—Town let contract dam and reservoir to W. C. Goff, $10,000.

SEWERS

Proposed Work

N. J., Camden—Council passed ordinances for constructing sewers in 22nd, 32nd, Fremont, Alberta, Carmon and 34th Sts. and Westfield Ave. W. D. Brown, city clk.

N. J., Kenilworth—Boro. election soon to vote on $25,000 bond issue for sewer and road improvements. Address A. H. Letzler.

N. J., Paterson—City plans sewers in East 22nd, East 5th, and other streets. H. J. Hardes, city engr.

Pa., Pittsburgh—Council authorized constructing sewer in portion Maurice and Fleetwood Sts. J. Swan, Jr., city engr.

O., Youngstown—City received no bids installing sewers in Alberta and Jones Sts. About $50,000. Noted June 28.

Mich., Detroit—City soon lets contract constructing new sewerage system. About $4,000,000. A. Hubbell, city engr.

Kan., McPherson—City plans to install 2 sewage disposal plants. About $43,000.

Ark., Texarkana—City election, Aug. 7, to vote on $100,000 bond issue to extend and improve sewerage system. Address City Clk.

Okla., Frederick—City voted $35,000 bonds to construct sewers and street intersections. W. D. Womack, clk. Noted June 28.

Tex., San Antonio—City plans sewage pumping plant to provide Camp Wilson with sewer facilities. About $25,000. A. C. Pancoast, city engr.

Ariz., Jerome—City having plans prepared by Olmstead & Gillelen, engrs., Hollingsworth Bldg., Los Angeles, for sewerage system. T. Macleod, city engr.

Cal., Corcoran—City council having plans prepared for sewerage system to consist of 6- to 14-in. vitr. pipe sewers in every street and septic tank on 20 acre site south city.

BIDS DESIRED

Conn., Orange—(Official)—Until July 25, by Bd. Selectmen, installing 6 mi. sewers, sewage disposal works, pumping station, etc. J. Wilkinson, 1st selectman; advertised in this issue. Plans and specifications on file at this office.

N. J., New Brunswick—Until July 24, by City Comn., constructing vitr. pipe sewers in Rutgers, Delevan and other streets. A. Atkinson, city engr. Noted June 28.

Pa., Lebanon—(Official)—Until July 25, by Mayor and Council, building Contract No. 2 Lebanon's Flood Prevention Project; advertised in this issue.

O., Cleveland Heights—(Warrensville P. O.)—(Official)—Until Aug. 6, by H. H. Canfield, clk., installing brick, segment block and vitr. pipe storm sewer. F. A. Pease Eng. Co., 812 Marshall Bldg., Cleveland, engrs.

Ill., Chicago—(Official)—Until Aug. 1, by Bd. Local Improv., for sanitary sewerage system including septic tank and sand filters; about 7000-ft. 8- and 12-in. pipe sewer, 74 brick manholes, 10 flush tanks and sewage treatment plant, etc. J. Ericson, city engr. Noted June 28.

Wis., Mukwonago—(Official)—Until July 30, by W. G. Skewes, village clk., furnishing and laying 2078 ft. of 12-in., 4312 ft. 10-in. and 246 ft. of 8-in. vitr. pipe sewers, together with manholes, lampholes, flush tank and bulkhead. W. C. Kirchoffer, 31 Vroman Bldg., Madison, engr.

PRICES AND CONTRACTS AWARDED

★**N. Y., Buffalo**—City let contract building sewer to take care sewage from Albany outlet to Great Lakes Dredge and Dock Co., Morgan Bldg., $80,000.

★**N. Y., Scarsdale**—Village let contract sewers and appurtenances to J. Cuozzo, 179 Linden St., Yonkers. About $25,319. Noted June 28.

★**N. J., Newark**—(Official)—Passaic Valley Sewerage Comrs. let contract outfall pressure tunnel under Jersey City, to C. A. Haskin, 16 City Sq., Boston, $1,900,000,000. Noted July 5.

★**Ky., Louisville**—City let contract constructing sewer for cantonment near Audubon Park to G. M. Eady Co. and K. E. Barker, Brook St. between A. and Lee St. About $70,000.

★**Ia., Ankeny**—City let contract installing sewers to Empire Constr. Co., 203 Flynn Blk., Des Moines, $31,270.

★**Wyo., Casper**—City let contract sewerage system to Security Bridge Co., Billings, Mont., $117,430. Noted July 5.

★**Tex., Graham**—(Official)—H. E. Elrod, engr., Interurban Bldg., Dallas, let contract sewerage system and sewage disposal plant here to Winslett-Eldridge Co., 101 Main St., Dallas.

Wash., Spokane—See "Streets and Roads."

STRUCTURAL STEEL WORK

Proposed Work

N. J, Bloomingdale—Bd. Freeholders of Passaic and Morris Cos. plan new bridge on Paterson-Hamburgh Turnpike. Address Co. Clk., Paterson.

N. J., Camden—New Jersey Bridge and Tunnel Comn. had plans prepared by Waddell & Son, engrs., 165 Broadway, New York City, for 1745-ft. suspension bridge over Delaware River between Cooper St., Camden and Arch St., Phila. About $8,000,000.

N. J., Elizabeth—Bd. Freeholders plan election to vote on $97,000 bonds to build new bridges.

W. Va., Parkersburg—Baltimore & Ohio R.R. plans to rebuild bridge over Little Kanawha River. R. N. Begien, Baltimore, ch. engr.

Ga., Savannah—M. B. Lane, pres. Citizens & Southern Bank organizing company to build bridge over Altamaha River.

Fla., Jacksonville—County voted $950,000 bonds to build bridge over St. Johns River to connect Jacksonville and South Jacksonville. Noted June 7.

O., Ironton—County plans to build Mill St. bridge over Neshahannock Creek, 54 ft. wide. About $66,000. Mahoning Valley Ry. and New Castle Electric Street Ry. (controlled by Mahoning & Shenango Ry. and Light Co.), Youngstown, will pay $19,000 toward cost. R. Sullivan, mgr.

O., Youngstown—Youngstown Sheet and Tube Co., Stambaugh Bldg., plans to rebuild bridge recently destroyed by tornado, 100-ft. high, 327 ft. long.

Ill., East Dundee—(Dundee P. O.)—County prepared for Main St. bridge, 40 ft. long, 60 ft. wide. Bonds voted for work. G. N. Lamb, Geneva, co. supt. highways.

Ia., Marshalltown—City preparing plans for bridge over lagoon, 74 ft. long, 8 ft. wide. A. O. Rosengren, clk.

Montana—State Highway Comn., Helena, plans to build 12 bridges on State Highway in Mineral, Musselshell, Dawson, Beaverhead, Sheridan and Deer Lodge Cos. About $200,000.

Ark., Osceola—County appropriated $15,000 to build bridge over Big Lake.

Washington—See "Streets and Roads."

Wash., Tacoma—Co. Comrs. rejected bids building Bridge No. 26213A, over Hylebos Creek waterway on Lincoln Ave., Strauss trunnion bascule or Scherzer Rolling lift bridge, trestle approaches, piers and fenders as too high. New bids. Noted June 21.

Ont., Sarnia—Mueller Brass Co. having plans prepared for new steel rolling mills. About $200,000.

BIDS DESIRED

N. Y., Albany—(Official)—Until Aug. 3 by W. W. Wotherspoon, supt. pub. wks., building highway bridge over Rood Creek; advertised in this issue.

Pa., Somerset—See "Streets and Roads."

Ind., Spencer—Until Aug. 6, by Co. Comrs., building 3 steel bridges, also 94 "I" beams, bids to be submitted by pounds. S. M. Royer, aud.

O., Norwalk—Until July 31, by C. E. Bloomer, clk. co. comrs. building bridges in Wakeman, Norwalk and Fairfield Twps., also on Town Line Rd. between Fairfield and Ripley Twps.

Minn., Little Falls—Until Aug. 2, by County, building state bridge No. 2726, two 120-ft. steel truss spans, one 23-ft. steel beam span, rein.-con. with wooden superstructure. B. Y. McNairy, co. aud.

Okla., Eufaula—Until July 27, by Jefferson Highway Bridge Co., building bridge over Canadian River, 3160 ft. long, involving 1300 ft. channel spans, 1000 ft. timber approach, 860-ft. embankments. Harrington, Howard & Ash., Orear-Leslie Bldg., Kansas City, Mo., engrs.

Wash., Seattle—Until July 31, by Co. Comrs., rebuilding bridge over Stuck River near Pacific City. S. J. Humes, co. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ala., Birmingham**—Southern Ry. let contract 21st St. viaduct to T. Worthington, 1st Natl. Bank Bldg., $180,000.

★**Ky., Dawson Springs**—See "Railways."

★**O., Painesville**—See "Streets and Roads."

★**Ia., Albia**—Bd. Supervs. let contract building bridges and culverts to Ottumwa Supply & Constr. Co., Ottumwa, $12,010; J. A. Lafferty, Eddyville, $7080.

★**Ia., Emmetsburg**—Bd. Supervs. let contract building bridges and culverts to Iowa Bridge Co., Hubbell Bldg., Des Moines, $6167; Des Moines Bridge & Iron Works, 9th and 11th Aves., Des Moines, $8900.

★**Ia., Pocahontas**—Bd. Supervs. let contract building bridges and culverts to Iowa Bridge Co., Hubbell Bldg., Des Moines, $2974; Federal Bridge Co., 1122 Equitable Bldg., Des Moines, $11,647.

★**Iowa, Spencer**—Bd. Supervs. let contract building bridges and culverts to E. Landsmann, Everly, $21,070; J. H. Johnson, Royal, $6400; Federal Bridge Co., 1122 Equitable Bldg., Des Moines, $2709.

★**S. D., Mitchell**—County let contract for 13 bridges to Pioneer Bridge Co., Mitchell, $25,000.

★**Man., St. Boniface**—City let contract steel bridge to Dominion Bridge Co., Canada Bldg., Winnipeg, $225,000.

★**Ark., Morrillton**—County let contract building bridge over Arkansas River to Midland Bridge Co., 504 Ry. Ex. Bldg., Kansas City, Mo., $125,000. Noted June 7.

★**Washington**—(Official)—State Highway Comn., Olympia, let contract Walla Walla River bridge to C. G. Huber, Central Bldg., Seattle, $21,215.

Structural Steel Work (Continued)

★**Wash., Mt. Vernon**—Co. Comrs. let contract building concrete piers, re-timbering and rebuilding wooden spans and approaches bridge over Skagit River to J. R. Wood, 621 Valley St., Seattle, $27,900. Noted June 28.

Oregon—State Highway Dept., Salem, received low bid building inter-county bridge between Marion and Polk Co.'s from Coast Bridge Co., Ry. Ex. Bldg., Portland, $247,-901. Noted June 28.

REINFORCED CONCRETE

Proposed Work

N. Y., Newton Falls—Newton Falls Paper Co. had plans prepared by C. E. Easton, archt., Sherman Blk., Watertown, for rein.-con. hydro-electric plant. About $50,000. F. L. More, pres.

N. J., Jersey City—Pennsylvania R.R. plans new rein.-con. bridges over tracks at Baldwin Summit and Chestnut Aves. About $30,000. A. C. Shand, Broad St. Sta., Phila., ch. engr.

N. J., Newark—Packard Motor Car Co. plans 4-story, 90 x 150-ft. rein.-con. showroom and garage and 1-story, 90 x 150-ft. addition at 1020-4 Broad St. E. S. Hare, Bway and 61st St., pres. W. E. Lehman, 738 Broad St., archt.

Pa., Phila.—Cunningham Piano Co., 1101 Chestnut St., plans 12-story rein.-con. factory, 1312-1314 Chestnut St. P. J. Cunningham, secy. and treas.

Pa., Pottstown—Pennsylvania R.R. plans new rein.-con. bridge over Mantawny Creek, to replace present steel span. A. C. Shand, Broad St. Station, Phila., ch. engr.

Ala., Mobile—See "Miscellaneous."

Ky., Montgomery—Louisville & Nashville R.R. plans rein.-con. bridge on Bell St. About $20,000. W. H. Courtenay, Louisville, ch. engr.

Ill., Chicago—T. Swanson, 821 Fullerton Pkway., having plans prepared by Hall & Ostergren, archts., 139 North Clark St., 7-story, rein.-con. apartment hotel at Wrightwood and Pine Grove Aves. About $525,000.

Ill., Chicago—Armour & Co., Union Stock Yards, had plans prepared for 2-story, 110x 304-ft. rein.-con. mechanical shop at West 39th St. and Packers Ave. About $70,000.

Mont., Livingston—Northern Pacific R.R. plans to build rein.-con. bridge over Shields River near Livingston. About $200,000. H. E. Stevens, 5th and Jackson Sts., St. Paul, ch. engr.

Mo., Bay St. Louis—City voted $200,000 bonds to build rein.-con. sea wall. D. U. Harris, Mobile, Ala., engr.

Wash., Seattle—Puget Sound Traction, Light & Power Co. plans to build 60x100-ft. rein.-con. oil storage tank, Greeley Ave. between 13th and 14th Ave. S., 15,000-bbl. capacity. About $30,000.

Ont., Weston—City having plans prepared by James, Loudon & Hertzberg, engrs., for rein.-con. intake crib, concrete dividing wall in sedimentation basin and lining basin with concrete.

Sask., Moose Jaw—Alberta Pacific Grain Co. preparing plans new rein.-con. grain elevator. About $75,000.

BIDS DESIRED

N. J., Newton—Until July 23, by Bd. Freeholders, building rein.-con. bridge over Paulin's Kill. H. Snook, co. engr.

W. Va., Spencer—Until Aug. 13, by County building rein.-con. bridges as follows: Lowe, Lawrence, Nancy's Run, Mile 3, Gandeeville, Wolf branch, Walton, Gibson, Crawford and Clover bridges, also steel bridge over West Fork at Rocksdale. W. A. Carpenter, clk.

Tenn., Athens—Until Aug. 3, by Co. Rd. Comrs., building 3 rein.-con. bridges. J. P. Firestone, superv.-secy.

O., Columbus—(Official)—Until Aug. 6, by Co. Comrs., building rein.-con. bridges over Olentangy River at Lane and 3rd Aves., Clinton and Franklin Twps. J. Scott, clk.

Ia., Carroll—Until July 25, by County, building 2 rein.-con. bridges. C. Wright, co. engr.

Kan., Junction City — (Official) — Until July 23, by G. W. Dorn, city clk., for concrete reservoir. About $15,000. Noted June 14 under "Water-Works."

Neb., Beatrice—Until Aug. 22, by County for rein.-con. bridge. E. M. Burnham, clk.

Neb., Tehamah—Until July 25, by City, building highway bridge and retaining walls. M. S. McGrew, clk. A. C. Arend, Brandies Bldg., Omaha, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Long Island City**—New York Telephone Co., 15 Dey St., New York City, let contract 3-story, 50 x 75-ft. and 1--story, 75 x 150-ft. rein.con. garage on Pomeroy St. and 8th and Pierce Aves., to A. J. Robinson Co., 123 East 23rd St., New York City. About $50,000.

★**N. J., Rahway**—Bd. Freeholders let contract rein.-con. bridge, West Grand St. to A. E. Smith, Westfield, $18,944. Noted June 28.

★**Pa., Oreland**—Philadelphia & Reading R.R. let contract 2-span rein.-con. bridge near Oreland to F. H. Leonard, Wayne.

★**Pa., Phila.**—De Long Hook & Eye Co., Broad and Wallace Sts., let contract 4-story rein.-con. factory, 21st and Clearfield Sts., to W. Steele & Sons Co., 34 South 15th St., $180,000.

★**W. Va., Clarksburg**—County let contract rein.-con. bridge over Elk Creek, Bridge St. to Luten Bridge Co., West Market St., York, Pa., $16,000. Noted June 14.

★**S. D., Wessington Springs**—High School—Bd. Educ. let contract 2-story, 91 x 105-ft. rein.-con., to F. R. Comb Co., 201 Lumber Ex., Minneapolis. About $57,602. Noted June 7.

★**Mo., St. Joseph**—Buchanan Elevator Co. let contract 16 rein.-con. tanks to Lehr Constr. Co., 1712 Frederick Ave., $125,000.

★**Okla., Tulsa**—Oklahoma Union Ry. let contract rein.-con. bridges to be built on line between Tulsa and Sapulpa to Topeka Bridge and Iron Co., Topeka, Kan.

STREETS AND ROADS

Proposed Work

Mass., Boston—Bd. St. Comrs. plan resurfacing Beacon St., topeka, bitulithic or filbertine. E. F. Murphy, comr. pub. wks.

Mass., Springfield—City plans $1,500,000 bond issue to widen Dwight St. F. H. Clark, city engr.

R. I., Newport—City plans election to vote on $35,000 bond issue for improving Bath Rd. R. J. Easton, city engr.

N. Y., Buffalo—Bd. Pub. Wks. plan to pave Spencer, Carolina, Milton, Erie, Genessee and Terrace Sts., Michigan Ave. and Broadway. G. H. Norton, city engr.

N. Y., Geneseo — Village voted $12,000 bonds for improving portion Court St.

N. Y., Rochester — City plans to pave Marigold St., about $5000; Goodman St., $35,000, grading, walks and sewers on Alberta St., $4800; Wilton Terrace, $8000. F. O. Elwood, city engr.

N. J., Bayonne—Boulevard Comrs., Jersey City, having plans prepared improving portion Boulevard. T. J. Wasser, co. engr.

N. J., Butler—Bd. Freeholders, Morristown, soon lets contract paving Boonton Ave., concrete.

N. J., Collingswood—City plans election to vote on $121,000 bond issue for repaving Haddon Ave. and other streets.

N. J., East Orange—City passed ordinance to repave portion of Springdale Ave., wood block, asphalt or granite block on 6-in. concrete base. W. D. Willegerod, city engr.

N. J., Jersey City—City soon lets contract repaving Central Ave., asphalt. About $20,-000. C. A. Van Kuren, city engr.

N. J., Kenilworth—See "Sewers."

N. J., Metuchen—Bd. Freeholders, New Brunswick, plan to pave road from Metuchen to Plainfield, bituminous concrete. About $76,000.

N. J., Newark—Bd. St. and Water Comrs. plan repaving North Canal St., oblong granite block pavement 6-in. concrete foundation and resurfacing Wummer Ave., asphalt. M. R. Sherred, ch. eng.

N. J., Union—City Council plans repaving Hudson, New York, Palisade and Park Aves. About $25,000. T. F. Bowe, city engr.

Pennsylvania — State Highway Comn., Harrisburg, rejected bids for Clarion Co. road. New bids. Noted May 17.

Pennsylvania — State Highway Comn., Harrisburg, rejected bids building 1270-ft. Oberlin Rd., vitr. brick. New bids. Noted June 21.

Pa., Harrisburg—Senate passed bill appropriating $12,215,000 for public roads. This with $6,000,000 estimated revenue from automobile licenses dedicated to good roads, makes total of more than $18,500,000 appropriated by the legislature for road work for next 2 years.

Pa., Harrisburg — Council passed ordinance to pave Brensinger St. and Sprague Alley, asphalt, concrete base. M. B. Cowden, city engr.

Pa., Meyersdale—Boro. voted $14,000 to pave streets and $6000 to extend sewers. Noted June 28.

Pa., Northampton Heights—Boro. council authorized sale of $40,000 bonds for improving streets.

Pa., Schuylkill Haven—(Official)—Boro. postponed for 1 year paving and curbing 10,000 sq.yd. Canal, Main and St. John Sts., brick and concrete. G. W. Butz, 205 Centre Ave., boro. engr. Noted June 28.

Pa., Scranton—City soon lets contract paving, grading, curbing portion Wheeler Ave. and Front St., sheet asphalt, concrete base, cost, $12,600 and $5250 respectively; Gibson St., sheet asphalt and stone block, concrete base, $10,278. W. Schunk, city engr.

Pa., Washington—(Official)—County soon lets contract resurfacing 4800 ft. Taylorston Rd. and 1 mi. Burgettstown-South Rd. T. J. Underwood, controller. Noted June 28.

Delaware—State Highway Dept., Dover, making surveys for new Lincoln Highway from Pennsylvania to Maryland state lines, via Newark, Dover, New Castle, Smyrna, etc. Legislature appropriated $500,000 for project.

S. C., Spartanburg—County plans improving Howard Gap, Mills Gap, Chesnee, Goodjoin. Spartanburg, Glenn Springs, Pacolet, Walnut Grove and Buncomb Rd., also Natl. Highway.

Miss., Greenwood—Bd. Superv. cancelled contract let to Kane-Kelly Constr. Co., New Orleans, at $300,000, and will readvertise for bids. Noted May 31.

Miss., Gulfport—City Comrs. passed ordinance to build 7 mi. concrete sidewalks. About $50,000. J. W. Rankin, city engr

Louisiana—State Highway Comn., New Orleans, plans to build New Orleans-Tangipanoa Highway. D. Buie, engr.

Louisiana—Bd. State Engrs. prepared plans 52-mi. highway from Gretna to Ft. St. Phillips. D. Buie, state engr.

Tenn., Knoxville—City soon lets contract paving sections McKee St., Hannah, Highland and Winona Aves. J. B. McCalla, city engr.

Tenn., Sevierville—County defeated $268,-000 bond issue, June 21, to build roads. Noted Apr. 19.

Tenn., Sneedville—County voted $100,000 bonds to improve highways.

O., Cleveland—County plans to improve Highland Rd., Euclid Twp., Bagley Rd., Elm and Main Sts., Linndale Rd., Brooklyn Twp., also Broadway and Cedar Rds. W. A. Stinchcomb, co. engr.

O., Cleveland—City council plans $280,-000 bond issue to improve streets. R. Hoffman, city engr.

O., Cleveland—City plans to improve and pave portions of Aetna, Glenview, East 110th, East 119th, East 69th and West 97th Sts. R. Hoffman, city engr.

O., East Liverpool—Bd. Control rejected bids for improving Pennsylvania and Harvey Aves. and Elizabeth St. Noted July 12.

O., Findlay—County sold $24,000 bonds to pave Ebersole, Smith, Fisher, Huston, Ewing and Bosserman Rd. Noted May 31.

O., London—(Official)—City postponed election from July 2 to Aug. 14 to vote on $45,000 bonds to pave various streets. McCafferty & Clark, city engrs. Noted June 28.

O., Sandusky—City plans paving East 9th St. and Cleveland Ave. About $40,000. R. L. Wager, city engr.

O., Toledo—County plans to rebuild River Rd. from Maumee to point beyond Waterville; 18-ft. concrete roadway. About $164,000; Federal Government to appropriate $82,000 toward cost.

O., Warren—Council passed ordinance to widen Quinby Ave. and extend Paige Ave. C. Lawrence, city engr.

O., Youngstown—City plans paving portion of Rush Blvd. F. M. Lillie, engr.

Ind., Fowler—(Official)—County received no bids grading, paving and graveling highway, Hickory Grove Twp., to be known as George O. Geary et. al. road, brick and gravel. W. Mankey, aud. Noted June 28.

Streets and Roads (Continued)

Ind., Peru—City preparing plans paving portion West 2nd St. J. Horan, city engr.

Ill., Rock Island—City plans asphalt macadam paving on Churchill and Ellsworth Sts. and Post Ave. W. Treichler, city engr. Noted Apr. 5.

Wis., Baldwin—City Council plans $40,000 bond issue for paving Main, Watertown and Harrington Sts.

Ia., Davenport—Town soon lets contract paving portion Mississippi Blvd. and 10th St.

Kan., Eldorado—Butler Co. Good Rds. Club plans building brick road 18 ft. wide between Eldorado and Douglass. About $600,000.

Kan., Wichita—City plans paving portions of Bluff St. and Central and Rutan Aves. B. Wells, city engr.

Mont., Butte—Council passed resolution to improve and pave Dist. No. 238, asphaltic concrete, bitulithic, creosoted wood block or vitr. brick. About $60,089 to $107,754.

Missouri — State Highway Comn., St. Louis, plans 5000 mi. system hard surface highways to connect 114 counties. About $5,000,000.

Mo., Benton—County election Aug. 15th to vote on $800,000 bonds for constructing good roads. Noted July 5.

Mo., Emminence—County defeated $150,000 bond issue June 30 to build roads. Noted June 14.

Mo., Harrisonville—County plans to build rock road. About $52,000.

Mo., Lathrop—County plans 6 mi. road from Lathrop to Holt. About $31,000.

Tex., Center—County election in August to vote on $600,000 bonds to build roads.

Tex., Cold Springs—County election July 26 to vote on $75,000 bonds to build roads in Rd. Dist. No. 4.

Tex., Daingerfield—County voted $10,000 bonds to build roads, Cason Precinct.

Tex., Dallas—City passed resolution to pave Cedar Springs, Oak Lawn, Englewood, College, Grand and Haines Sts., also widening portions Harwood and Masten Sts. H. Moseley, city engr.

Tex., Dallas—City soon receives bids paving portion Maple Ave., bitulithic. H. Moseley, city engr.

Tex., Greenville—County election Aug. 4 to vote on $100,000 bonds to build roads.

Tex., Sulphur Springs—County voted $12,000 bonds to build roads, Arbala and Liberty Precincts.

Tex., Uvalde—County election Aug. 11 to vote on $60,000 bonds to build roads, Comrs. Precinct No. 2.

Okla., Fallis—County voted $16,000 bond issue to build roads. Address Co. Clk., Chandler.

Okla., Frederick—See "Sewers."

Okla., Tulsa—County plans to spend about $500,000 to build roads.

Utah, Ogden—City soon lets contract improving Main St. About $125,000. J. M. Tracy, city engr.

Ariz., Douglas—City plans paving 11th and 12th Sts. About $132,000.

Washington — State Highway Comn. engrs., Olympia, making surveys highway from Stanwood to Silvana, Snohomish Co., also bridge over Stillaguamish River. About $64,000.

Wash., Seattle—Pk. Bd. plans resurfacing 2-mi. of boulevard. About $15,000. R. Cotterill, secy.

Oregon—State Highway Comn., Salem, having plans prepared 10-mi. road from Pendleton to La Grande.

Cal., Lancaster—County voted $140,000 bonds for highway between Redman and here, about 14 mi. A. M. McPherrin, clk. bd. superv.

Cal., Merced—City rejected bids for paving 300,000 sq.ft. of 4-in. and 82,000 sq.ft. of 5-in. concrete with oil and sand surface, also 37,500 lin.ft. concrete curbs, etc. New bids. Noted April 19.

Cal., San Diego—City soon lets contract building road to army cantonment at Linda Vista, about 4 mi. Work to be let in 2 sections quantities as follows: (a) 11,170 cu.yd. excavation, 10,400 cu.yd embankment, 329,344 sq.ft. 5-in. concrete pavement, 200 lin.ft. 12-in. cement pipe culverts, 8 cu. yd. concrete in head walls, (b) 18,215 cu.yd. excavation, 12,100 cu.yd. embankment, 134,905 sq.ft. 5-in. concrete pavement, 400 lin.ft. 12- to 24-in. concrete pipe culverts, 6 cu.yd. concrete in headwalls. G. Cromwell, engr.

BIDS DESIRED

Massachusetts—(Official)—Until July 24 by State Highway Comn., Boston building 14,600 ft. state highway, Egremont and Sheffield Twps.; 14,600 ft., Worcester and West Royalston Twp. W. D. Sohier, comr.

N. Y., Albany—(Official)—Until July 30, by State Highway Comn., 55 Lancaster St., building highways various counties. E. Duffey, comr.; advertised in this issue.

N. Y., Bronx—Until July 26, by D. Matthewson, boro. pres., repaving portion roadway St. Ann's Ave., sheet asphalt and redressed granite blocks, concrete foundation; Stebbins Ave. and White Plains Rd., sheet asphalt, concrete foundation; Sedgwick Ave., granite block, sand foundation; Fieldston Rd., Tremont Ave., East 228th St., Boston Rd., waterbound macadam; East 184th St., Morris Ave., bituminous concrete, cement concrete foundation; Leggett Ave., second hand granite blocks, sand foundation; also sewers in portions Barry and Worthen St.

N. Y., Brooklyn—Until July 26, by W. Williams, comr. Water Supply, Gas and Electricity, Municipal Bldg., Manhattan, paving roadway, furnishing new fence posts and resetting fence in front of Mt. Prospect Laboratory, Flatbush Ave., near Eastern Pkway.

N. Y., Eastwood—(Official)—Until July 23, by Bd. Trustees for grading and macadamizing portion Blust St. L. B. Smith, clk.; advertised in this issue.

N. Y., New York—Until July 23, by M. M. Marks, boro. pres. regulating and paving roadway of West 172nd St. from Bway. to Ft. Washington Ave., also portion Houston St., sheet asphalt, concrete foundation; roadway of West 172nd St., from Ft. Washington Ave. to Haven Ave., bituminous concrete, concrete foundation.

N. Y., New York—Until July 26, by Park Bd., Municipal Bldg., for regulating, grading, paving with concrete pavement roadway on Washington Ave. across Jacob Riis Park (Queens Boro.)

N. J., Newark—Until July 26, by Bd. St. and Water Comrs., paving portions Dassing, Isabelle and Parkhurst Aves., bitulithic on 6-in. concrete base. M. R. Sherrard, chief engr. Noted June 7.

N. J., Newark—Until July 26, by Bd. St. & Water Comrs., grading, curbing and flagging Hamburg Pl. and paving East Peddie St., also repaving South 11th St.; about 9200 sq.yd. asphalt pavement on 6-in. concrete base. M. R. Sherrard, city engr. Noted June 28.

N. J., North Bergen—Until July 24 by Co Park Comn., Jersey City, paving road at North Hudson Park, asphalt block or bituminous concrete. W. G. Muirheid, secy.

Pennsylvania—(Official)—Until Aug. 7 by State Highway Comn., Harrisburg, building improved highways, Cambria, Allegheny, Washington, Lehigh, Butler, Lackawanna, Luzerne and Dauphin Cos.

Pa., Somerset—(Official)—Until July 28, by Co. Comrs., grading, draining and bridging County Rd. from Brotherton to Berlin. W. J. Glessner, comr.

Pa., Uniontown—Until Aug. 3 by H. Kisinger, co. controller, for Fairbanks-New Salem Rd., Menallen Twp. and Connellsville-Pennsville Rd., Bullskin Twp.

W. Va., Ceredo—Until July 27, by City Recdr., paving B and Main Sts., brick on concrete foundation, concrete curb and gutter. About $23,000. F. W. Gesling, Ashland, Ky., engr.

W. Va., Huntington — (Official) — Until July 25, by Bd. Comrs. grading, curbing and paving portions of 5th and 6th Sts. J. B. Maupin, city engr.

Miss., Greenville—(Official)—Until Aug. 3, by Co. Highway Comrs. for grading highway from Arcola to Sunflower River. O. C. Kulicka, asst. engr.

Louisiana—(Official)—Until July 23 —, Bd. State Engrs., New Orleans, building 6-mi. Sect. 4, Arkansas Highway, Caddo Co.; 16.9-mi. Alexandria-Echo Sect. Alexandria-Marksville Highway, Rapides Co. D. Buie, state engr.

O., Cincinnati—(Official)—Until July 27, by Co. Comrs., repairing portions of Church St. bituminous macadam. F. E. Wesselmann, pres.

O., Cleveland—Until July 25, by City, grading, curbing and paving portions of Arney, Sauer, East 141st and Fairmont Sts. and approaches of Clark Ave. viaduct. R. Hoffman, city engr.

O., Columbus—Until July 21, by J. Scott, co. clk., surfacing portions Reynoldsburg & New Albany Road.

O., East Liverpool—(Official)—Until July 26, by T. Doherty, dir. pub. serv., for paving Penn Ave., Elizabeth and Harvey Sts. J. C. Kelly, city engr.

O., Jefferson—(Official)—Until July 30, by Co. Comrs., building Williamsport Rd. No. 1. B. E. Brainard, clk.

O., Sidney—(Official)—Until July 26, by C. B. Deweese, dir. pub. ser., paving 95,000-sq.yd. streets, vitr. brick, asphalt, asphaltic concrete, bitulithic and wood block; advertised in this issue.

Ind., Indianapolis—(Official)—Until Aug. 3, by Bd. Pub. Wks., improving portion Newman and Denny Sts., Central and Sheffield Aves. B. J. T. Jeup, city engr.

Ind., Indianapolis—(Official)—Until Aug. 6, by Bd. Pub. Wks., improving portion Julian Ave., Oriental, Station and Walnut Sts. B. J. T. Jeup, city engr.

Ind., Michigan City—Until July 2-, by Bd. Pub. Wks., paving portion 11th St. E. G. Dunn, city engr.

Ill., West Frankfort—(Official)—Until July 27, by Co. Clk., 10 concrete highways, 33,500 sq.yd. pavement and necessary bridges. Putnam & Mautz, Benton, engrs. Noted Apr. 19.

Arkansas—Until July 26, by State Highway Comn., Little Rock, for constructing 8-mi. concrete and 14 mi. gravel road, with bituminous carpet cover.

Tex., Huntsville—(Official)—Until Aug. 7 by T. E. Humphrey, mayor, paving 15,000 yd. street.

Wash., Seattle—Until July 30 by Co. Comrs. building 5-mi. Cascade Scenic Highway. About $45,000 to $50,000. S. J. Humes, co. engr.

Cal., Santa Ana—Until Aug .8 by Bd. Supervs. building and grading ½-mi. Sect. 3, Irvine Blvd., concrete. W. B. Williams, clk.

Cal., Santa Ana—Until Aug. 8, by W. B. Williams, co. clk., grading Sect. 2 Brea-Olinda Road, 1.53 mi. J. L. McBride, co. sur-

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Massachusetts—State Highway Comn., Boston, let contract asphalt macadam road, Uxbridge Twp., to R. H. Newell Co., Uxbridge, $29,801. Noted July 5.

N. Y., Brooklyn—L. H. Pounds, boro. pres., received low bids (a) regulating, curbing and paving with permanent asphalt pavement, 6-in. concrete foundation roadway Ave. J; (b) 64th St.; (c) regulating, paving and repaving with asphalt on 6-in. concrete foundation 7th Ave.; (d) center roadway 7th Ave.; from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (a) $13,805, (b) $6398, (c) $6869, (d) $63,861; Borough Asphalt Co., 1301 Metropolitan Ave., (a) $13,978, (b) $6465, (c) $6953, (d) $58,092; Uvalde Asphalt Paving Co., Metropolitan Ave., (a) $14,830, (b) $6844, (c) $7448, (d) $64,190.

N. Y., East Aurora—Bd. Supervs., Buffalo, received low bids paving 2¾-mi. road from East Aurora to Lancaster, macadam from Meyers & Meyers, Buffalo, $30,000.

N. J., Mt. Holley—(Official)—Bd. Freeholders received low bids improving (a) Moorestown-Camden Pike, Chester Twp., (b) Johnstown Pike, Northampton, Easthampton and Springfield Twps., (c) Pemberton-Lewiston Rd., Pemberton Twp., as follows: Sutton & Corson, 739 Asbury St., Ocean City, (a) $97,339, (b) $43,059, (c) $41,817; J. M. Kelly Constr. Co., 432 Market St., Camden, (a) $114,303; C. A. Reed Co., Trenton, (b) $51,672; Eastern Paving Co., 1414 South Penn Sq., Phila., (b) $42,103; Utility Constr. Co., 46 Paterson St., New Brunswick, (c) $36,274. Noted June 28.

★N. J., Rutherford—City let contract paving Union Ave. to Union Constr. and Bldg. Co., Main St., Passaic. About $65,460. Noted June 21.

★N. J., Trenton—(Official)—Bd. Freeholders let contract building Sect. 3, River Rd., Hopewell Twp., to C. A. Reed Co., Trenton, $11,191. Noted June 28.

N. J., West New York—Town received bids July 10, paving portion Bergenline Ave., (a) asphalt block, (b) trap rock block, redressed, (c) bituminous concrete, as follows: G. J. Horning, 513 16th St., (a and b), 89½%, (c) 79½%; Curtin Bros., 45 Madison Ave., Guttenberg, (a and b) 113%, (c) 107%; Clinton Contr. Co., River Rd., Woodcliff, (a and b) 103%, (c) 89%; R. Mazzoni, 584 9th St., (a and b) 105%, (c) 93%. Noted June 28.

Streets and Roads (Continued)

★Pa., **Erie**—City let contract paving portion 25th St. to Mayer Bros. Constr. Co., Commerce Bldg. and J. Doyle; Plum St. to J. McCormick & Son.

★Pa., **Phila.**—City let contract paving Queen Park, 2nd and Catharine Sts. to G. Dobbins & Co.

★Pa., **Pittsburgh**—Co. Comrs. let contract for road work as follows: M. O'Herron Co., South 1st and McKean Sts., reconstructing Squaw Run Rd., brick, $40,310; Banksville Rd., rein.-con. and brick surfacing, $22,150 and $38,850 respectively; D. McNeil Co., Rochester Rd., asphaltic concrete, $23,677; R. Swan, Jr., Co., Jenkins Ave., Little Deer Creek Valley Rd., rein.-con., $46,667.

★Pa., **Williamsport**—Council let contract resurfacing asphalt streets to Central Constr. Co., 7th and Emerald Sts., Harrisburg, $1.32 per sq.yd.; paving portion Water and Walnut Sts., Dewey and Erie Aves., Paxton brick, to Busch & Stewart, Trust Bldg., $1.68.

★Md., **Frederick**—(Official)—County let contract building 5 mi. Lewiston-Creagerstown Rd. to L. R. Waeschex, Thurmont. About $52,000. Noted June 14.

★Miss., **Sumner**—County Comrs. let contract gravel highways to C. V. Evans, Loveman Bldg. About $200,000.

★La., **Crowley** — County let contract building 45 mi. roads to Healey Constr. Co., Meridian, Miss. About $242,826. Noted May 10.

★O. **Bellaire**—City let contract paving South Belmont St. to Resser & Maloney, $1.65 per sq.yd.

O., **Cincinnati**—(Official)—City received low bid paving playground from D. Gordon Bldg. and Constr. Co., 734 West 7th St. About $31,530.

★O., **Cleveland**—County let contract paving portion Lee Rd. to McHugh Bros., 1430 South Penn Sq., Phila.

★O., **Cleveland**—Bd. Control let contracts for following street improvements: Bentley Bros., 410 Electric Bldg., paving Lakeside Ave., N. E., $11,000; Cleveland Trinidad Paving Co., 3409 Trumbull St., East 65th St., $14,000, East 77th St., $4000, East 128th St., $12,000, Adelaide Ave., $10,800; A. M. Pejsa Paving Co., 2370 East 93rd St., Ingersoll Rd. Noted June 7.

★O., **Cleveland**—Bd. Pub. Wks. let contract paving portions St. Clair St. to R. B. Burnett, 527 Society for Savings Bldg., $161,064; Lincoln and 11th Sts., to Cleveland Trinidad Co., 420 Lakeside Ave., $35,-833. Noted June 28.

★O., **Columbus**—City let contract asphalt resurfacing to Citizens Rd. Preserving Co., $40,500; tarvia repair work to Barrett Co., Ill. Bldg., Cleveland, $64,000; bitumas macadam, to Jaber Constr. Co., $10,574.

O., **Coshocton**—City received bids paving portion (a) 6th St., (b) Denman and Cossingham Aves., from J. Hall, (a) $15,-435, (b) $22,913, Coshocton Constr. Co., Coshocton; (b) $24,871; Henderson Bros., (a) $16,713, (b) $22,021.

★O., **Defiance**—County let contract paving Okolona-Ridgeville Rd. to J. A. Westrick, Holgate. About $64,616.

★O., **Fremont**—City let contract Garvin Rd., 2.25 mi. of 16-ft. macadam, to J. Strausel, Fremont, $20,000, Artz Rd., 2.50 mi. same pavement, Barnes & Taber, Rocky Ridge, $18,000.

O., **Granville**—City Council received bids for paving and improving Pearl St., as follows: Keeley & Bolen, concrete curb and gutter with Lincoln block paving, $18,-493; Federal Asphalt Paving Co., Trinidad, $17,112.

★O., **Jefferson**—Co. Comrs. let contract building Jefferson-Eagleville Rd. to Hart & Kemp.

★O., **Painesville**—County let contract grading and bridging 7-mi. Lincoln Highway, Madison Twp. to Campbell Bros., Stambaugh Bldg., Youngstown, $57,420.

O., **Youngstown**—Co. Comrs received low bids improving New Buffalo and Ribbetts Corner Rd. and Orris and Silica Quarry Rd. from L. H. Young, $14,658 and $4456, respectively.

★**Indiana**—Co. Comrs. let contracts road work as follows: Lebanon, gravel road, Jackson and Jefferson Twps., to F. Long, $14,600; Nashville, gravel road, Jackson Twp., to J. M. Fleetwood, $10,000; Goshen, gravel road, Osolo Constr. Co., Elkhart, $12,750; Albion, brick road, Northern Constr. Co., Elkhart, $52,500. Noted June 28.

Ind., Indianapolis — City received bids paving portion South St. as follows: Amer. Constr. Co., 1201 East Georgia St., 1st grade asphalt, $5.10 per lin.ft., wood block, $7.56 per lin.ft.; Columbia Constr. Co., 2nd grade brick, $5.22; Marion Co. Constr. Co., 1600 South West St., 1st grade asphalt, $5.45, wood block, $7.27; Republic Constr. Co., 1614 Merchants Bank Bldg., 1st grade asphalt, $5.60, wood block, $7.42, granite block, $7.62; Union Asphalt Constr. Co., 308 Amer. Life Bldg., 1st grade asphalt, $5.34, wood block, $7.17, granite block, $7.65; Union Stone & Material Co., 1007 Gilbert St., Cincinnati, granite block, $7.50. B. J. T. Jeup, city engr.

★**Ind., Indianapolis**—Co. Comrs. let contract concreting portion National Rd. to J. E. McNamara Constr. Co., Indianapolis. About $78,450.

★**Ind., Indianapolis**—Bd. Pub. Wks. let contract paving Newmant St., asphalt, to Union Asphalt Constr. Co., 308 Amer. Central Life Bldg., 1-alley, brick, to A. D. Bowen, Meridian St., to Amer. Constr. Co., 1201 East George St.; cement walks to H. Pothast.

★**Ind., Lafayette**—(Official)—County let contract 2.06 mi. brick road, Fairfield Twp., to W. Mahoney, 5 Sharp Bldg., $78,200; road in Wabash Twp., Slattery Constr. Co., Crawfordsville, $64,217. Noted June 2.

★**Mich., Bay City**—Bd. Pub. Wks. let contract paving portion Lincoln Ave., 11th and Water Sts., to Cleveland Trinidad Paving Co. 3407 Trumball St., Cleveland, $35,834. Noted July 5.

★**Illinois**—State Highway Comn., let contract 4800 lin.ft. in Saline Twp., to Hug Lumber & Constr. Co., $10,425.

★**Ill., Glencoe**—(Official)—City let contract paving Glencoe Rd., 4800 sq.yd. brick on 3-in. sand-cement cushion filled with cement grout, concrete curb and crushed stone and screening to level up present foundation to E. M. Laing, Highland Park. Noted June 28.

★**Ill., Joliet**—City let contract improving 3rd Ave. and Wilson St., asphalt on 5-in. concrete base, concrete curb and gutters, etc., to R. F. Conway Co. Chamber of Commerce Bldg., Chicago; $24,077.

★**Ill., Rock Island**—City let contract paving portion 6th Ave. to T. J. McCarthy, 3rd and Perry Sts., Davenport, Ia., $2.19 for paving, 49c. curbing.

★**Ill., Winnetka**—(Official) — City let contract paving Sheridan Rd., 35,500 sq.yd. 2-course rein.-con. with integral curb, 11,755 cu.yd. grading and 98 catch basins to H. E. Goelitz & Co., Oak Park, $114,000. Noted June 28.

★**Minn., Buhl**—(Official)—City let contract paving 12,000 sq.yd. streets, bitulithic, to L. McCann, Eveleth. Noted June 21.

★**Kan., Hutchinson**—City let contract paving streets to Stamey-Mackey Constr. Co., $56,000; curbing and guttering to J. H. Shear & Sons and C. E. Brown, all of Hutchinson. Noted June 7.

Mo., Kansas City—County received low bid resurfacing and macadamizing Kansas City-Independence Rd. from W. F. Dwyer, $31,684, and A. Jaicks Co., Amer. Bank Bldg., $32,040.

★**Tex., Dallas**—Co. Comrs. let contract paving Coppell Rd., trap-rock concrete, to Vibrolithic Constr. Co., Terminal Bldg., 94c. per sq.yd.

★**Tex., McLean**—City let contract of 18-mi. clay road to P. M. Skinner. About $15,000.

★**Idaho, Lewiston**—Washington State Highway Bd. let contract constructing highway from Idaho-Washington state line to Uniontown to G. L. Strickler, Pullman, Wash. About $17,276.

Utah, Salt Lake City—(Official)—City received low bids grading, guttering and paving Center and other streets bitulithic on bituminous macadam base from J. Morgan, Inc., 152 West 2nd St., $52,739; J. W. Mellen, Auditorium Bldg., $52,159. Strange-Maguire Pav. Co., Utah Savings & Trust Bldg., $56,965. Contract will not be awarded because of defeat of improvement bond issue. S. Q. Cannon, city engr. Noted June 21.

Wash., Asotin—City received low bids paving various streets, concrete from Enoch & Dole, Lewiston, Idaho, $20,955; C. M. Payne, Spokane, $21,236.

Wash., Spokane—City received low bids paving and grading portion Mallon Pl. from Warren Constr. Co., Assn. Bldg., Portland, bitulithic, $27,897, C. M. Payne, East 724 Mission Ave., bituminous, $28,918, Spokane Bitumas Paving Co., bitumas, $31,300; installing sewers from Heikkila, Miller & Paulson, $8500. P. L. Langan, $9449. Spokane Bitumas Paving Co., $8350. Noted June 21.

★**Wash., Walla Walla**—City Council let contract paving portion 4th St. to Warren Constr. Co., Journal Bldg., Portland; about $12,854.

★**Wash., Waterville**—(Official)—County let contract building highway. Local Improv. Dist. No. 3, to Bailey & O'Connor, Wenatchee, $11,610. Noted June 21.

★**Oregon**—State Highway Comn., Salem, let contract 10 mi. hard surface pavement, to Warren Constr. Co., 14 Assoc. Bldg., Portland. About $119,120.

★**Ore., Astoria**—City let contract for building 1 mi. concrete pavement to Montague O'Reilly Co., Blake McFall Bldg., Portland. About $16,236. Noted June 28.

Ore., McMinnville—City received low bids paving in Dists. Nos. 17 and 19 from Dennis Constr. Co., McMinnville, $12,528; Dists. 18, 20, 21, 22, Montague-O'Reilly Co., Blake McFall Bldg., $39,675. Noted June 14.

★**Ore., Pendleton**—County let contract paving 10-mi. highway to Warren Constr. Co., Journal Bldg., Portland. About $119,120.

★**Ore., Portland** — Council let contract paving portion Woodstock Ave. to Oregon-Hassam Paving Co., Bd. of Tr., $26,654.

Ore., Warrenton—Co. Comrs., Astoria, received low bid building ½-mi. hard-surfaced road from Arenz Contr. Co., Astoria, $17,897. Noted June 21.

★**California**—State Highway Comn., Sacramento, let contract 10.8 mi. road in Yolo Co., between Blacks and Hershey, to C. H. and A. H. Gorrill, San Francisco, $71,152; 6.4 mi. Tulare Co., Pixley to Tipton, to L. C. Garnsey, 108 West 6th St., Los Angeles, $34,980; 11 mi. Monterey Co., Camphora to Chualar, to Palmer & McBride, Hooker & Leub Bldg., San Francisco, $60,-118.

★**Cal., Los Angeles**—Bd. Superv. let contract bituminous paving on Lexington-Gallatin Rd., Dist. 103, involving 6594 sq.yd. excavation, 14,242 lin.ft. shaping roadbed, 3100 sq.yd. paving, 3698 lbs. rein. steel, 11,420 lin.ft. expansion joints, 64 cu.yd. concrete in culverts, etc., to F. Hoffman, Long Beach, $16,990.

★**Cal., Manhattan Beach**—City let contract improving streets to R. H. Beaton, 623 Beacon St., San Pedro, $54,569. Noted June 14.

★**Cal., Martinez**—County let contract building Sect. 5 of county highway system to O'Brien Bros., Martinez. About $119,058.

★**Cal., Napa**—County let contract concrete highway between Greenwood Hill and county line to Worswick Constr. Co., Vallejo, $86,673. Noted June 21.

★**Cal., San Bruno**—City let contract improving several streets to Municipal Improve. Co., Richmond. About $119,000.

★**Cal., San Diego**—Bd. Supervs. let contract grading and building road from Pala to north line of county, involving excavating through rock to F. Doran, 3330 30th St., $29,779.

Cal., Ventura—Bd. Superv. received low bid grading and building 4-in. concrete paving and concrete and corrugated iron culverts on 754 mi. Div. Y, Sec. 2, La Crosse to Nordhoff Rd., from C. H. Hudson, Marsh Strong Bldg., Los Angeles, $34,422; similar work on 6.01 mi. Div. 4, Piru to county line from Brashear-Burns Co., Wilshire Blvd. and La Brea Ave., Los Angeles, $19,968. Noted June 28.

Cal., Visalia—Bd. Superv. received low bid 2,358,722 sq.ft. warrenite or topeka surfacing on southern division of county on roads connecting Porterville, Exeter, Lindsay, etc., via Terra Bella and Ducoras, follows: A. Teichert & Son, Oschner Bldg., Sacramento, warrenite, $141,523. G. H. Oswold, 405 O. T. Johnson Bldg., Los Angeles, topeka, $95,748.

★**Cal., Visalia**—Bd. Superv. let contract constructing 3,368,983 sq.ft. warrenite surfacing connecting North Dinuba, Orosi, Dinuba, Visalia, and Exeter, to Thompson Bros., Fresno, $202,139.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

New Jersey—Lehigh & New England R.R. granted permission by Bd. Public Utility Comrs. to issue $1,491,000 stock to extend and improve road. R. H. Wilbur, Phila., genl. mgr.

West Virginia—Norfolk & Western R.R. plans new line for cantonment near Petersburg, about 6 mi.; also new passenger and freight station. J. E. Crawford, Roanoke, Va., ch. engr.

Railways—Steam and Electric (Continued)

Georgia—Ocilla, Pinebloom & Valdosta R.R. plans to extend line from Milltown to Leliaton, about 7 mi. R. Henderson, Ocilla, pres.

Montana—Montana Power Co. having surveys made for laying track between Twin Bridges and Bielenberg-Hoggins and Lake Shore Mines, for electric road 14 mi. long. About $26,000. F. M. Kerr, Butte, gen. supt.

Arkansas—Iron Mountain R.R. plant to build 10-mi. track to U. S. cantonment near Little Rock, under supervision of A. Robertson, St. Louis. W. L. Cole, Keswick, Cal., genl. mgr.

Washington—City of Tacoma soon lets contract building 10,000-ft. track to Todd Shipyards; work involves ½-mi. viaduct over yards of Chicago, Milwaukee & St. Paul Ry. About $180,000. C. F. Loweth, Chicago, ch. engr.

Saskatoon—City Comrs. Regina, plan to build ½-mi. track on Pasqua St. to convert red and blue lines into belt line, about $12,000; also 2nd track on Elphinstone St. to exhibition grounds. B. Green, Regina, way engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. C., Lake Toxaway**—Moltz Lumber Co. let contract 7-mi. road to H. R. Millard Co., Inc. R. S. Brown, Legal Bldg., Asheville, ch. engr.

★**Kentuckey**—Illinois Central R.R. let contract to L. J. Smith Contr. Co., Commerce Bldg., Kansas City, Mo., to build line from Dawson Springs to Providence, about 17½ mi. involving handling 600,000 cu.yd. material, mostly rock, to Walsh Constr. Co., 114½ West 3rd St., Davenport, Ia., to revise grades and alignment from Scottsburg to Dawson Springs, about 11½ mi. involving 700,000 cu.yd. material also bridge with 75-ft. span and trestle approach over Tradewater River.

Indiana—(Official)—Pennsylvania Lines West of Pittsburgh let contract grading and masonry for 2nd track work, grade revision and yard work for lines between Logansport and Royal Center to P. T. Clifford & Son, Valparaiso.

EXCAVATION AND DREDGING

Proposed Work

La., Plaquemine—Drainage—Lake Long D. D. voted $60,000 bonds to drain 35,000 acres between Plaquemine, town of Bayou Goula, Mississippi River and Grand River. E. Gay, J. Wilbert and J. Templet, bd. mgrs. Noted May 24.

O., Youngstown—Canal—Lake Erie & Ohio River Canal Bd., Hartje Bldg., Pittsburgh, filed final report with Governor of Pennsylvania and favors building of waterway. Cost of canal is estimated on prices prevailing in 1914 and 1915 at $65,000,000 exclusive of branches to New Castle, Pa., and Warren, O., each of which will cost $3,000,000, and is designed to furnish last deep waterway link necessary to connect iron ore field of Minnesota and Michigan with coal fields of West Pennsylvania, West Virginia and Ohio.

Ill., Havana — Drainage — Chautauqua Levee and Drainage Dist. plans to reclaim 4000 acres of land. About $236,000. Project requires 4-mi. levee and powerful pumping plant to remove water from marshlands.

Ia., Sioux City—Drainage—County plans system in Garretson D. D. About $120,000. C. Moriarty, 600 United Bank Bldg., engr.

Mo., Bloomfield—Drainage—County created new drainage district to be known as Mingo D. D., involving 30,000 acres, of which 1,300 acres will be ditches. About $450,000.

Ore., Salem—Drainage—Payette Oregon Slope Irrigation D. D. plans to issue $225,000 bonds to install drainage system.

BIDS DESIRED

Ind., Brownstown—Drainage—Until July 26, by F. B. Douglas, co. supt. building Frank M. Bush et al., drain, Jackson Twp., involving 74,730 cu.yd. excava. About $10,796.

Ind., Winamac—Ditch—Until July 30, by G. Fritz, trustee Jefferson Twp., improving Stout & Dutton ditch and 2 branches, Cline, Skinner, Koepkey, Conrad and Pingle ditches.

Ind., Winamac—Ditches—Until July 31 by G. Fritz, trustee Jefferson Twp., improving Warnock, Fred Kopka, Dan Mohler, Stine, Schleman, Meeks Branch No. 4 and Kelly ditches.

Ill., Lawrenceville—Ditch—Until July 26, by L. A. Funk, comr. Allison Ditch Dist. No. 1 for redredging ditch, 10 mi. long, 73,427 cu.yd. for dredge boat, 5500 cu.yd. for teams. Bottom width from 12- to 14-ft. wide.

Ia., Mason City—Drainage—Until July 23, by G. E. Frost, co. aud., building D.D. No. 53.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. J., Trenton—Dredging—Dept. Commerce and Navigation received low bids dredging section of proposed inland waterway connecting Barnegat Bay with Manasquan River from L. B. Harrison, 220 Bway., New York City, 36c. per cu.yd.; Hill Dredging Co., Atlantic and Somerset Pl., Atlantic City, 41⅜c.; Delaware Dredging Co., Phila., 44½c. About $50,000 available for work. Noted July 19.

★**Ia., Cedar Falls**—Drainage—County let contract D. D. No. 1 to A. D. McCall, 611 West 12th St., $30,000.

★**Minn., Benson**—Ditch—County let contract Judicial Ditch No. 9 to E. A. Barr, Redwood Falls, $33,442. Noted June 14.

★**N. D., Milnor—Drain**—County let contract Milnor Hall Drain to Great Northern Bridge Co., 635 Lumber Exchange Bldg., Minneapolis, $35,000.

Cal., Chino—Ditch—Storm Water Protection Dist. received low bids building 5 sections of ditch from Los Angeles Rock & Gravel Co., 3439 Pasadena Ave., Los Angeles, $11,830, and L. Farrell, Pomona, $26,649.

★**Cal., San Diego**—See "Streets and Roads."

INDUSTRIAL WORKS

Proposed Work

N. Y., Brooklyn—Lancastershire Realty Co. had plans prepared by Shampan & Shampan, archts., 772 Bway., for 2-story, 121 x 153-ft. brick service station at Bedford Pl. and Atlantic Ave. About $150,000. L. Gold, 44 Court St., pres.

N. Y., Newton Falls — See "Reinforced Concrete."

N. Y., New York—J. Nimphius, 521 Bergen Ave., having plans prepared by M. J. Garvin, 3307 3rd Ave., for 6-story, 75 x 75-ft. brick garage and storage bldg. About $60,000.

N. J., Newark — See "Reinforced Concrete."

N. J., Rahway—Merck & Co., Lincoln Ave., plans rein.-con. and brick additions to its plant. About $140,000.

N. J., Trenton—American Bridge Co., foot of Warren St., plans addition on Delaware River, South Trenton. About $1,000,000.

Pa., Phila.—See "Reinforced Concrete."

Pa., Phila.—Niagara Mfg. Co., 323 North 2nd St., soon lets contract 2-story brick factory, 54th and Lancaster St. F. E. Hahn, archt.

Pa., Pittsburgh—National Biscuit Co. has plans prepared baking plant at Penn Ave. and Lambert St. About $600,000.

Pa., Reading—Metropolitan Electric Co., controlled by W. S. Barstow & Co., 50 Pine St., New York City, plans to rebuild electric power station at Klapperthal. About $100,000.

Va., Alta Vista—Alta Vista Cotton Mills, Alta Vista, plans to enlarge its plant. About $75,000.

W. Va., Belle—C. H. Hughes, 27 William St., New York City, and associates, plans chemical factory here. About $1,000,000.

N. C., Newbern—East Carolina Packing Co. having plans prepared by C. L. Brooks Eng. Co., Moultrie, Ga., for packing plant. About $65,000.

Ala., Mobile—See "Miscellaneous."

La., De Lidder—American Creosoting Co. plans factory here. About $100,000.

La., Jeffris—Jeffris Lumber Co., Jeffris, plans veneer mill. About $300,000.

Tenn., Chattanooga—De Camp Glass Casket Co., Bank of Commerce Bldg., Memphis, plans plant near here. About $200,000.

O., Akron—Akron, Bitwell Tire & Rubber Co., had plans prepared for new factory. About $150,000. W. C. Owen & Co., archt., 1900 Euclid Ave., Cleveland, soon receives bids.

O., Cleveland—A. & B. Realty Co. plans 3-story, 60 x 200-ft. garage. About $100,000. E. N. Buel, 4400 Euclid Ave., pres., A. W. Wolf, archt., Swetland Bldg., soon receives bids.

O., Cleveland—Baltimore & Ohio R.R. plans freight terminal. About $2,500,000. H. Lane, Baltimore, ch. engr.

O., Cleveland—Detroit-Lake Ave. Co., c/o A. M. Allen, archts., 1900 Euclid Ave., will build 1- and 2-story, brick and steel market house at Detroit and Lake Aves. About $250,000.

O., Cleveland—Ohio Blower Co., 5125 Perkins Ave., has purchased site near Cedar Ave. "Y" and plans to build plant.

O., Euclid—Supreme Motor Corp. plans 1-story, 100 x 400-ft. factory, St. Clair Ave. and Bliss Rd. About $300,000. F. Jamison, 218 Union Bldg., pres., and A. M. Allen Co., 303-1900 Euclid Bldg., archts., both of Cleveland.

O., Toledo—Curtiss Aeroplane Co. plans to build largest airplane factory in country on Terminal R.R. J. N. Willys, pres.

O., Youngstown—Wilcoff Co., Wilson Ave., has increased capital stock from $300,000 to $600,000 and plans new factory.

Mich., Detroit—Aluminum Castings Co. plans 1-story, 106 x 177-ft. addition. About $100,000. C. B. Bohn, 1576 Jos. Campau Ave., mgr. C. W. Brandt, archt., 502 Kresge Bldg., soon receives bids.

Mich., Detroit—Diamond Power Specialty Co. plans 2-story, 112 x 128-ft. factory on Caniff Ave. About $70,000. R. Herman, 82 1st St., pres. Esselstyn & Murphy, archts., 206 New Telegraph Bldg., soon receive bids.

Ill., Champaign—E. V. Kirby, Orpheum Bldg., had plans prepared by J. Royer, archt., Flat Iron Bldg., Urbana, for 3-story, 68x132-ft. garage. About $60,000.

Ill., Chicago—See "Reinforced Concrete."

Ill., Chicago—Gibson Motor Co., 923 East 47th St. plans garage. About $50,000. H. L. Newhouse, 4630 Prairie Ave., archt.

Ill., Chicago—W. F. Hall Printing Co., Chicago Ave., Townsend, Kingsbury and Superior Sts., plans 7-story addition. About $900,000.

Ill., Chicago—Illinois Engineering Co., 314 Federal Bldg., plan factory on Racine Ave. and 21st St. About $65,000.

Ill., Peoria—L. E. Roby, and associates, organized company to be known as Peoria Malleable Castings Co., with $175,000 capital stock and plan malleable iron plant. L. E. Roby, pres. H. Hemingway, vice-pres.

Wis., Milwaukee—W. G. Kellogg, 103-373 Bway., and C. Petit plant to build grain elevator on belt line of North-Western R.R. About $200,000.

Ia., Des Moines—Campbell Baking Co. had plans prepared for brick and terra cotta addition to bakery. About $150,000. N. T. Vorse, 911 S. & L. Bldg., archt.

Minn., Minneapolis—Minneapolis, St. Paul & Sault Ste. Marie Ry. plans addition to present elevated plant to have capacity of 1,150,000 bu. C. N. Kalk, 317 2nd Ave., ch. engr.

Ark., Springdale—Middle West & Electric Co., purchased plant of Springdale Light & Power Co., and plans electric plant and transmission lines supplying electricity in Springdale, Fayetteville and Rogers plant in Fayette. About $75,000.

Tex., Wichita Falls—Atlas Wind Mill Co. plans factory. About $150,000. J. E. Robertson, Mineral Wells, pres.

Idaho, Oneida—Amalgamated Sugar Co. plans new factory. About $1,000,000.

Nev., Fallon—Nevada-Utah Sugar Co. plans addition. About $100,000. F. S. Bramwell, mgr.

Ore., North Bend—North Bend Mill & Lumber Co., plans new sawmill, planing mill and dry kiln. About $120,000.

Ore., Portland—W. P. Fuller & Co., 12th and Davis Sts., plans 4 steel tanks and concrete factory on 17th and Holgate Sts. About $100,000.

Que., Shawinigan Falls—Canadian Aloxite Co., subsidiary Carborundum Co., Buffalo Ave. and 18th St., Niagara Falls, plans factory. About $250,000.

Ont., Chatham—International Harvester Co. plans new brick foundry. About $50,000.

Ont., Kitchener—Canadian Consolidated Rubber Co. preparing plans brick additions to machine shops. About $50,000.

Ont., Sarnia—See "Structural Steel."

Sask., Moose Jaw—See "Reinforced Concrete."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Long Island City**—See "Reinforced Concrete."

★**Pa., Phila.**—Penn Chemical Co. let contract brick and concrete factory and 1-story power house to Nickson, Duggan & Co., Bailey Bldg., $75,000.

Industrial Work (Continued)

★**Mich., Grand Rapids**—Llewellyn Bean Co. let contract, 120 x 400 ft. bean elevator, to C. Hoertz & Son. About $200,000.

★**Minn., Minneapolis**—Yerza Andrews & Thurston Co., 622 Flour Exchange, let contract large grain elevator at 35th St. and Hiawatha Ave., to Barrett & Record Co., Flour Exchange.

★**Kan., Ft. Scott**—Borden's Condensed Milk Co. let contract condensing plant to A. E. Madorie, 409 Reliance Bldg., Kansas City, Mo. About $100,000.

★**Neb., Omaha**—Hoagland Lumber Co., Keeline Bldg., let contract to J. C. Mardis & Co., for 4-story, 132x132-ft. mill. About $200,000.

★**Neb., Omaha**—McCaffrey Motor Co., 10th and Howard Sts., let contract, brick and stone garage, to Olson & Johnson, 638 1st Natl. Bank Bldg. About $50,000.

★**N. D., Grand Forks**—Northern Packing Co. let contract to Spald Albee & Smith General Constr. Co., Minneapolis, $168,950.

★**Mo., St. Joseph**—Battreall Shoe Co., 4th and Jule Sts., let contract 7-story addition to P. P. Buddy Constr. Co., 501 North Main St., $125,000.

Mo., St. Joseph—Montgomery Elevator Co. let contract, 6-story, 121x125-ft., brick and stone warehouse addition, 4th and Mitchell Sts., to T. W. Hackett, 1023 Church St. About $75,000.

★**Tex., Wichita Falls**—Wichita Mill & Elevator Co. let contract 1000 bbl. flour mill to Burrell Eng. & Constr. Co., 323 South La Salle St., Chicago. About $300,000.

★**Wash., Seattle**—Earl Fruit Co. let contract 10 warehouses in eastern Washington towns to Hurley-Mason Co., Hoge Bldg. About $500,000.

★**Cal., Fresno**—Willys Overland Co. let contract 3-story, 100x150-ft. brick and concrete automobile service plant, Van Ness Ave., to R. F. Felchlin Co. About $60,000. Noted June 7.

★**Ont., Toronto**—Willard's Chocolate Co., Ltd., 260 Spadina Ave., let contract factory and warehouse, to Yolles & Rotenberg, 67 Baldwin St. About $80,000.

BUILDINGS

Proposed Work

N. H., Nashua—High School—Bd. Educ. plans, 2-story, brick. About $200,000. T. M. James, 1855 Devonshire St., Boston, archt.

Mass., Falmouth — Hotel — Siders Pond Inn Incorporation, care W. H. A. Sisson, having plans prepared by Smith & Howland, archts., 545 Pleasant St., New Bedford, 3-story, 36 x 80-ft., 2 wings 35 x 120-ft. About $125,000.

Mass., Wellesley—College—Wellesley College had plans prepared by Day & Klauder, archt., 925 Chestnut St., Phila., for 3 buildings—2- and 3-story. Crain & Furgeson, 5 Beacon St., Boston, archt.

Conn., Mansfield—State plans new buildings for Mansfield Training School and Hospital. About $250,000. L. P. Marvin, Hartford, chn. Cudworth & Thompson, 148 Main St., Norwich, archts.

Conn., Norwich—Ward—State Hospital for Insane had plans prepared, 3-story, 40 x 285-ft. About $130,000. T. F. Erdmann, supt. Cadworth & Thompson, 148 Main St., archts.

N. Y., Auburn—Hospital—Sisters of St. Francis, c/o St. Anthonys Academy, Court St., Syracuse, and Rev. W. Payne, 15 Clark St., having plans prepared, 4-story, 70 x 190 ft. brick and steel with 4-story wings and chapel, by S. S. Hillger, 9 Seward Blk., archt.

N. Y., Brooklyn—Exchange—New York Telephone Co., 15 Dey St., has plans prepared, 3-story, Liberty Ave. and Milford St. About $125,000.

N. Y., Brooklyn—Loft—H. & P. Corp. plans, 4-story, 100 x 190 ft., brick, on Atlantic Ave. About $95,000. S. Parnass, 51 East 97th St., New York City, pres. S. Millman & Son, 26 Court St., archts.

N. Y., Brooklyn—Parish House—Presbyterian Church, Lafayette Ave., plans, 4-story, 40 x 90 ft., brick and stone, at 95-7 Oxford St. About $85,000. C. Albertson, 336 Washington Ave., pastor. Clark & Arms, 21 West 45th St., archts.

N. Y., Lily Dale—Hospital—E. Newton Tuberculosis Hospital having plans prepared to be built on west shore of Cassadago Lake. About $150,000.

N. Y., New York—Hospital—Bronx Hospital Assn. plans, 2- and 4-story, 35 x 100 ft., brick and terra cotta, at Charlotte St. and Boston Rd. About $50,000. A. Goldman, 108 2nd Ave., pres. L. A. Abramson, 220 5th Ave., archt.

N. Y., New York—Store—J. C. Davies, 149th St. and 2nd Ave., plans 1-story, brick, at Burnside and Jerome Aves. (Bronx Boro.). About $50,000. Moore & Landsiedel, 149th St. and 3rd Ave., archts.

N. Y., Rochester — Club — Knights of Columbus having plans prepared by Gordon & Madden, archts., Sibley Bldg. About $150,000.

N. J., Newark—Engine House—City having plans prepared by F. Grad, Amer. Natl. Bank Bldg., Suringfield and Belmont Aves., in 13th Ward at Orange and Sandford Aves. About $50,000. T. L. Raymond, City Hall, mayor.

N. J., New Jersey—Labor Temple—Labor Organizations of Hudson Co. having plans prepared by J. T. Rowland, Jr., archt., 100 Sip Ave., 4-story, 127 x 140-ft. About $60,000.

N. J., Jersey City—School—City voted $50,000 bonds to build addition to P. S. No. 11 and $350,000 bonds for new 3rd Ward School. G. E. Keenan, pres. school bd.

N. J., Red Bank—School—Bd. Educ. voted $161,700 bonds to build 2 schools. J. Bucklin, pres.

Pa., Erie — Depot — New York Central R.R. had plans prepared. About $600,000. G. W. Kittredge, Grand Central Terminal, New York City, ch. engr.

Pa., Lititz — Bank and Store — Lititz Spring Natl. Bank, care E. H. Snyder, 40 East Main St., having plans prepared by C. E. Urban, archt., Woolworth Bldg., Lancaster, 2-story. About $90,000.

Pa., Phila.—Bank and Office—C. E. Durant, care of F. C. Durant, Land Title Bldg., having plans prepared by M. Fielding, archt., 520 Walnut St., 8-story, 25 x 80 ft. About $50,000.

Pa., Schuylkill Haven—Hospital—Comrs. Schuylkill Co., Pottsville, soon let contract 1-story, 130 x 138-ft. addition. About $50,000. F. X. Reilly, 112 South Centre St., Pottsville, archt.

Wash., D. C.—Club—Washington Athletic Club, plans, 12-story, 133x150-ft. About $650,000. J. M. Kenyon, pres. Millburn Heister & Co., Union Savings Bank Bldg., archts.

Wash., D. C.—Parochial School—Holy Trinity Congregation having plans prepared by F. G. Pierson, archt., Washington Loan and Trust Bldg., 2-story. About $150,000.

Va., Richmond—High School—Bd. Educ. plans. About $50,000. C. M. Robinson, Times-Dispatch Bldg., archt.

W. Va., Petersburg—Station—See "Railways."

S. C. Saluda—Court House—County having plans prepared by A. Sayre, archt., Beckley Bldg., Anderson, brick and stone. About $50,000.

Ala., Bessemer—Court House—Co. Comrs. plan. About $150,000.

Tenn., Memphis—Hospital—Baptist Memorial Hospital having plans prepared by C. O. Pheil, archt., Tennessee Trust Bank Bldg., 8-story, brick, terra cotta and rein.-con. addition. About $175,000.

O., Akron—Hotel and Business—J. Sop, 419 2nd Natl. Bank Bldg., having plans prepared by Practical Eng. Co., Akron Savings and Loan Bldg., 3-story, 60 x 115-ft.

O., Akron—School—Bd. Educ. plans 2- or 3-story. About $500,000. F. L. Packard, 1212 Hayden Bldg., Columbus, archt.

O., Cleveland Heights—(Warrensville P. O.)—School—Bd. Educ. soon lets contract, 2-story, brick and stone. About $180,000. E. Bryan, clk. F. C. Warner, 767 Hippodrome Bldg., archt.

O., Columbus—Hospital—McKinley Hospital having plans prepared by Stribing & Lum, archts. 85 North High St., for large addition.

O., Cleveland—Home—St Stanilas' Parish having plans prepared by J. F. Jaisinski, archt., 604 Rose Bldg., 42 x 96-ft., on Forman Ave., S. E., near East 85th St. About $60,000.

O., Cleveland—School—Bd. Educ. having plans prepared by W. R. McCormack, archt., East 6th St. and Rockwell Ave., 2-story addition. About $110,000.

O., Elyria—Club House—Lake Shore Electric Co. having plans prepared by R. H. Hinsdale, archt., 527 Erie Bldg. About $75,000. W. D. Marrow, Garfield Bldg., engr.

O., Lakewood—High School—Bd. Educ. having plans prepared by C. W. Hopkinson, Archt., 900 Rose Bldg., Cleveland, 3-story addition. About $250,000.

O., Lakewood—School—P. T. Harrold, clk. bd. educ., soon receives bids, 2-story. About $100,000. W. Hopkinson, 900 Rose Bldg., Cleveland, archt.

O., Latty—School—Bd. Educ. plans, 2-story. About $60,000. F. L. Packard, 16 Broad St., Columbus, arch.

O., Mt. Vernon—Hospital—State Bd. of Administration, c/o T. E. Davy, Oak and 9th Sts., Columbus, plans 2-story, 95 x 125-ft., here. About $50,000.

O., Toledo—Hotel—Bond Hotel Co. having plans prepared by Mills, Rhines, Bellman & Nordhoff, Archts., Ohio Bldg., 12-story. About $2,250,000.

O., Warrensville — Cottages — City of Cleveland plans to build 8 Cottages at tuberculosis sanitarium here, 3-story, 60 x 115 ft. About $100,000. L. T. Beman, 327 City Hall, dir. pub. welfare. F. H. Betz, 604 City Hall, archt., both of Cleveland.

O., Youngstown—Office—Union Land & Bldg. Co. plans, 16-stories, brick, concrete and stone. About $750,000. H. H. Stambaugh, pres., Knox & Elliott, archts., 1248 Rockefeller Bldg., Cleveland, soon receives bids.

O., Zanesville—Y. M. C. A. having plans prepared for new building. About $200,000. H. Smith, 737 Eppley Ave., chn.

Ind., Lafayette — Office — Lafayette Life Insurance Co. plans 10-story 51 x 121 ft., 3rd and Main Sts. About $250,000. W. Lane, Lansing Bldg., secy. J. F. Alexander and Son, archts., Ball Blk., soon receives bids.

Ind., New Palestine—School—Bd. Educ. having plans prepared by C. Boone, archt., Greenfield. About $50,000.

Mich., Ionia—High School—Bd. Educ. election soon to vote on $150,000 bonds to build high school.

Mich., Ishpeming — Hospital — Cleveland Cliffs Iron Co. having plans prepared, 3-story, 50 x 150, brick and rein.-con. About $80,000. M. J. Sturmarcht, 116 South Michigan Ave., Chicago, archts.

Mich., Rochester—Club—Brookland Golf and Country Club having plans prepared, 2-story, 119 x 219-ft. J. W. Case, 1448 David Whitney Bldg., archt.

Mich., Vassar—School—Bd. Educ. plans, 2-story, 80 x 148 ft. About $60,000. J. C. Peterson, State Bank Bldg., Traverse City, archt.

Ill., Chicago — Church — Sheridan Road Methodist Episcopal Congregation plans, on Sunnyside Ave. About $70,000.

Ill., Chicago — Hotel — See "Reinforced Concrete."

Ill., Rock Island—Hospital—St. Anthony's Hospital having plans prepared by H. B. Fox, archt., 301 Apollo Theater Bldg., Peoria. About $200,000.

Wis., Racine—Terminal—Chicago, Racine & Milwaukee Transportation Co., foot South Main St., soon lets contract, 6-story, brick and concrete.

Wis., Wauwatosa—Temple—Wauwatosa Lodge No. 267 plans to build. F. A. Stevens, chn. bldg. com. Leenhouts & Guthrie, 301-404 Jefferson St., Milwaukee, archts.

Ia., LeMars—Western Union College having plans prepared for following: Dormitory, $40,000; administration building, $75,000; science hall, $75,000; chapel and auditorium, $85,000; music conservatory, $35,000; library, $35,000 gymnasium, $50,000. W. G. Burkhead, Commercial Bldg., Sioux City archt.

Minn., Faribault—Cottage—State having plans prepared for girls custodial cottage at school for feeble-minded; cost $60,000. C. H. Johnston, archt., 715 Capital Natl. Bank Bldg., St. Paul, receives bids about Aug. 10.

Kan., Augusta—School—Bd. Educ. having plans prepared by G. P. Washburn & Son, archts., 222 South Main St., Ottawa. G. Watson, clk.

Kan., Garden City—School—Bd. Educ. soon lets contract, 3-story, 58 x 110 ft., brick school and 2 ward buildings, about $50,000. E. J. Drummond, clk. W. E. Hulse & Co., 207 1st Natl. Bank Bldg., Hutchinson, archts.

Kan., Wichita—City plans election to vote on bond issue to build school. About $50,000 or $60,000. H. D. Lester, city clk.

Neb., Omaha—Theater, Store and Office—A. H. Banks, Des Moines, having plans prepared by J. Latenser, archt., 626 Bee Bldg., 8-story, 132 x 132-ft. About $250,000.

Buildings (Continued)

Wyo., Riverton—Temple—Masonic Fraternity having plans prepared by Realty Inv. Co., Bee Bldg., Omaha, 3-story, 50 x 140 ft. About $60,000.

Mont., Billings — Hospital — Sisters of Mercy plan. About $250,000.

Mo., St. Louis—School—City soon lets contract 7th building to be constructed under $3,000,000 bond issue. H. W. Kiel, mayor. Noted June 28.

Mo., St. Louis—Convention Hall—City having plans prepared by W. H. Gruen, archt., Chemical Bldg. About $2,000,000. I. A. Hedges, chn. com.

Tex., Abilene—College—State plans West Texas Agricultural and Mechanical College here. About $500,000

Tex., Brownwood — College — D. Baker College having plans prepared by C. D. Hill & Co., archts., Sumpter Bldg., Dallas. About $250,000.

Tex., Carlsbad—Sanitarium—State having plans prepared by Sanguinet & Staats, archts., American Natl., Bank Bldg., Waco, 6 buildings, at tuberculosis sanitarium. About $105,000.

Tex., College Station—Dormitory—A. and M. College soon lets contract. About $90,000.

Okla., Bartlesville — Temple — Masonic Bldg. Assn. had plans prepared by J. H. Felt & Co., archts., 800 Grand Ave. Temple, Kansas City, Mo. About $275,000. McGregor & Everman, supts.

Okla., Tulsa—Store—Commerce Bldg. Co., 4th and Main St., having plans prepared, 4-story, 43 x 140-ft. brick, steel and rein-con. About $75,000. Rush, Endicott & Rush, 226 Unity Bldg., archts.

Ariz., Tucson—High School—City election soon to vote on $200,000 bonds to build high school. Address H. A. Drachman, Title Insurance Bldg.

Wash., Spokane—Administration—Whitworth College plans. About $110,000.

Cal., Las Banos—School—Bd. Educ. soon lets contract, brick and concrete; about $65,000. E. J. Kump, Rowell Bldg., Fresno, archt.

Cal., Ojai—Hotel—Ojai Improv. Co. having plans prepared by Mead & Requa, archts., 533 F St., San Diego, rebuilding Foothills Hotel, recently destroyed by fire. About $75,000.

Cal., Santa Barbara—Hospital—County had plans prepared by R. F. Sauter, archt., 1206 State St. About $50,000.

N. B., Moncton — Hotel — Brunswick Hotel, Ltd., having plans prepared, stone and brick. About $125,000. R. Carter, mgr.

Que., Montreal—School—City plans to build 2 schools. About $190,000. J. E. A. Benoit, 1200 Wellington St., archt.

Ont., London—Theater—P. Smirlies, 197 Dundas St., plans. About $100,000.

B. C., Burnaby—Studio—Dominion Film Co., Orpheum Bldg., plans new building. About $50,000. J. A. Nelson, managing dir.

BIDS DESIRED

N. Y., Central Islip—(Official)—Acute Patients' Building—Until July 31 by State Hospital Comn., Albany, addition to Central Islip State Hospital. E. S. Ellwood, secy; advertised in this issue. Noted July 12.

N. Y., White Plains—High School—Until July 23, by L. C. Shaw, secy. Bd. Educ.

O., Akron—Hotel—Until Aug. 1, by Mills & Millspaugh, archts., 49 North High St., Columbus, for 10-story hotel to be constructed for Park Hotel Co. About $350,000.

O., Cadiz—Home—Until July 21, by E. P. Hines, co. aud., for addition to Harrison Co. Children's Home.

O., Lebanon—High School—Until Aug. 3, by W. C. Maple, clk. bd. educ. Bausmith & Drainie, 901 Gerke Bldg., Cincinnati, archts.

Wis., Barksdale—School—Until July 25, by H. Wildhagen, archt., 842 College Ave., Ashland.

Minn., Warroad — High School — Until Aug. 1, by Bd. Educ. About $70,000. E. F. Broomhall, 710 Alworth Bldg., Duluth, archt.

Kan., Great Bend—Court House—Until Aug. 8, by W. E. Beardsley, co. clk., 4-story, 102 x 124-ft. About $190,000. W. E. Hulse & Co., First Natl. Bank Bldg., Hutchinson, archts. Noted July 5.

Kan., Hutchinson—High School—Until July 24, by Bd. Educ., brick. E. Hulse & Co., 207 1st Natl. Bank Bldg., archts.

Kans., McPherson — School — Until July 25, by F. H. Hawley, chn. bd. educ. Markgraf & Mampe, 413 Ridge Bldg., Kansas City, archts.

S. D., Wessington Springs—High School—See "Reinforced Concrete."

Wyo., Cheyenne—Until Aug. 6, by City, for city and county buildings. About $170,000. J. A. Martin, comr finance. W. Dubois, 1st Natl. Bank Bldg archt.

Okla., Cushing—Bath House—Until Aug. 1, by City Clk., to be built in Randlett Pk. About $100,000.

Okla., Cushing—Court House—Until Aug. 1, by county, for new building. About $100,000.

Cal., Santa Barbara — Hospital — Until Aug. 6, by Co. Supervs., 1-story, 51 x 235-ft., brick and rein.-con. About $60,000. C. A. Hunt, co. clk. R. F. Sauter, San Marcos Bldg., archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Brooklyn**—Hospital—Bay Ridge Hospital, 60th St. and 2nd Ave., let contract 4-story, to E. E. Paul, Co., 101 Park Ave., New York City, $150,000.

★**N. Y., Mt. Vernon**—School—Bd. Educ. let contract addition to School 9, East 5th St. and Bedford Ave., to O. J. Tegan, 452 Union Ave. About $50,000.

★**N. Y., Niagara Falls**—Y. W. C. A. let contract brick, concrete and stone building to Brass Bros., 110 Whitney Ave. About $66,000.

N. Y., Syracuse—School—Bd. Educ. received low bid from Central City Constr. Co., 104 Union Blk., $97,450.

★**N. J., Newark**—Theater—A. W. Moore, 22 Green St., let contract, 1- and 2-story, 125 x 150 ft., Prospect Ave. and Heller Pkway., to I. Feinsod, 402 Hunterdon St. About $70,000.

★**Pa., Phila.**—Office—Lit Bros. let contract, 7th and Filbert Sts., to Keostone State Constr. Co., Pennsylvania Bldg. About $605,000.

Pa., Phila.—Stations—City received low bid 3-story, brick, concrete and terra cotta stations, from Standard Constr. Co., Drexel Bldg. About $510,000. Noted June 21.

★**Pa., Scranton**—Bank—Third Natl. Bank, 118 Wyoming Ave., let contract addition and alterations to E. S. Williams, Coal Ex. Bldg., $80,000.

★**Wash., D. C.**—Convent—Asso. of Professors of St. Mary's Seminary let contract, 2-story, to C. L. Cassidy Co., Southern Bldg. About $50,000.

Fla., St. Augustine—Hospital—Trustees Flagler Hospital rejected bids, 3-story, brick and rein.-con. About $100,000. New bids soon. F. A. Hendrick, 26 Cathedral St., archt. Noted June 14.

★**O., Cleveland**—Church—St. John's Nepomucene Congregation c/o Rev. J. Hroch, 4914 Fleet St., let contract, 1-story, 78 x 138-ft., to C. A. Garson Co., 6408 Euclid Ave., $75,000.

★**Ill., East Moline**—Y. M. C. A. let contract 4-story, 82 x 101-ft. building to C. E. Heaps, 310-12 Peoples Bank Bldg., Moline. About $50,000. Noted July 5.

★**Ill., Urbana**—Educational—University let contract to English Bros., 55 North Walnut St., Champaign. About $151,000.

★**Ia., Nevada** — Infirmary — County let contract to W. F. Kuchero, 622 Hubbell Bldg., Des Moines. About $56,000.

★**Ia., Traer**—High and Grade School—Bd. Educ. let contract to McNanus & Tamoske, Endicott Bldg., St. Paul, $71,552.

★**Minn., St. Paul**—Depot—St. Paul Union Depot Co. let contract depot and accompanying terminal yards, and improvement necessitating an estimated expenditure of $11,000,000 to Morris, Shepard & Dougherty, 814 Globe Bldg., and G. J. Grant Constr. Co., 902 Exchange Bank Bldg. Practically all railroads entering St. Paul will terminate here. M. V. Seymour, atty. for company.

Minn., St. Paul—Exchange—Northwestern Telephone Co. let contract to F. C. Norlander, 408 Amer. Natl. Bank Bldg. About $125,000.

★**Kan., Larned**—Court House—County let contract, 3-story, brick, stone, concrete and steel, to W. Foley, Larned. About $117,500. Noted June 14.

★**Neb., Lincoln**—University—Bd. Regents State University let contract, 3-story, 62 x 156-ft., brick, stone, terra cotta and concrete, to B. J. Gobst, Lincoln, $125,000. Noted June 21.

★**Neb., York**—Hotel—York Hotel Co. let contract 6-story, 90 x 118-ft., brick, terra cotta and rein.-con. to P. Kiewitts, 124 Omaha Natl. Bank Bldg., $130,000.

★**Ark., Little Rock**—Hotel—Bd. for Marin Hotel let contract, 9-story fireproof annex to W. F. Ault, 481 Main St. About $100,000.

★**Tex., Waco**—Coliseum—City let contract new Cotton Palace Coliseum to H. J. Ainsworth, 414 Amicable Bldg. About $50,000.

★**Okla., Miami**—Hotel—Miami Hotel Co. let contract 7-story, brick, stone and concrete to F. H. Crites, 2136 Belleview St., Kansas City, Mo., about $20,000. Noted May 31.

★**Okla., Norman**—Auditorium—State Bd. Pub. Affairs let contract, at Oklahoma University, to Holmboe Constr. Co., 311-15 Majestic Bldg., About $140,000.

★**Colo., Longmont**—Bank—Farmers' Natl. Bank, 4th and Main Sts., let contract to Hoggson Bros., 1735 Mapleton Ave. About $50,000.

★**Ariz., Tucson**—School—Bd. Educ. let contract 2-story, brick, to W. H. Young, $102,910. Noted July 12.

★**Wash., Seattle**—Naval Training Station, University of Washington, let contract to be built on campus to Puget Sound Bridge & Dredging Co., Central Bldg. About $65,000.

★**Ont., Toronto** — Mausoleum — Trustees Toronto Burying Grounds let contract, to Witchall & Son, Jr., 156 St. Helens Ave. About $250,000.

FEDERAL GOVERNMENT WORK

Proposed Work

S. C., Charleston — Buildings — Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., soon receives bids for 1 shell house, 1 magazine building and 1 torpedo house. About $110,000. Noted Apr. 26.

Cal., San Francisco—Pipe Line—Bureau of Docks (F. R. Harris, ch.), Navy Dept., Wash., rejected bids opened June 25. Noted July 5.

T. H., Kuahua—Building—Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., soon receives bids for mine storage building. About $62,400.

BIDS DESIRED

Pa., Phila.—Crematory—Until July 30, Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., building crematory, brick walls, rein.-con. floors, roof slabs, steel beams, pitch, felt and gravel roof covering.

Wash., D. C.—Coal Handling Plants—Until July 23, by Bureau Yards and Docks (F. R. Harris, ch.), Navy Dept., Wash., at Navy Yards, Norfolk, Va., and Phila., Pa.

Fla., Key West—Towers—Until July 31, by Light House Inspector, furnishing and delivering f.o.b. Key West, metal work and glass complete for 2 light towers, at Molasses and Pacific Reef, Fla.

Miss., Vicksburg—Stone—Until July 25, by 3rd Mississippi River Comn., P. O. Box 404, furnishing 20,000 short tons stone.

Ky., Lancaster—Post Office—Until Aug. 17 by J. A. Wetmore, superv. archt., treas. dept., Wash.

Ky., Louisville—(Official)—Until Aug. 9, at U. S. Engr. Office, furnishing and delivering horses, props, etc., for Bebout weir, Dam 48, Ohio River; advertised in this issue.

Ia., Cherokee—Post Office—Until Aug. 22, by J. A. Wetmore, superv. archt., treas. dept., Wash.

Kan., Eldorado—Post Office—Until Aug. 21, by J. A. Wetmore, superv. archt., treas. dept., Wash.

Mo., St. Louis—Levee Work—Until July 30, by Mississippi River Comn., 1311 International Life Bldg., 80,000 cu.yd. earthwork. Druary D. D., Ill.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

N. Y., Broklyn—Cranes—Bureau Yards and Docks, Navy Dept., Wash., received low bids furnishing electric traveling cranes at Navy Yard (a) 2 15-ton bridge cranes, complete; (b) add for each additional bridge crane up to 4, from Niles-Bement-Pond Co., 111 Bway., New York City, (a) $40,750, 365 days (b) $20,375 each, 400 days; Pawling & Harnischfeger, 38th and National Sts., Milwaukee, (a) $44,599, 300 days, (b) $22,250, 30 days; Penn Bridge Co., Bond Bldg., Wash., D. C., (a) $49,887, 250 days, (b) $24,375, 14 days for each additional crane.

Federal Government Work (Continued)

Md., **Annapolis**—Building—Bureau Yards and Docks, Navy Dept., Wash., received low bids addition to Isherwood Hall (work complete), from W. P. Lipscomb & Co., 1405 F. St., Wash., D. C., $211,000, time 400 days; H. D. Watts Co., South and Water St., Baltimore, $220,000, time 350 days; N. Ker Co., 1123 Bway., New York City, $223,470, time 415 days.

Md., **Annapolis**—Buildings—Bureau Yards and Docks, Navy Dept., Wash., received low bids, July 9, for addition to Bancroft Hall, U. S. Naval Academy, as follows: (a) Net price and time for work complete in accordance with drawings and specification. (b) Amount and time to be deducted from net price under (a) if cement required for the work, not in excess of amount estimated by successful bidder, is furnished by Government, f.o.b. cars, Naval Academy, Annapolis, Md. Under this item bidders muse state number of barrels of cement which they estimate is required for work. If cement is furnished by Government, contractor will be required to provide ample and satisfactory storage to insure an adequate supply being maintained, and he shall be responsible for all cement delivered to him. Any cement damaged after delivery to the contractor shall be made good by him. (c) Amount and time to be deducted from net price under (a) if Government defrays transportation charges on granite. Contractor shall arrange for such transportation and shall replace any defective stone without expense to Government. (d) Amount and time to be added to or deducted from net price under (a) if concrete piles are substituted for wood piles as specified under alternative No. 1, paragraphs 382 to 387 of the specifications. (e) Amount and time to be added to or deducted from net price under (a) if brick masonry is substiuted for hollow terra-cotta backing of granite work above terrace-floor level, as specified under alternative No. 2, paragraphs 388 to 389 of the specifications. (f) Amount and time to be deducted from net price under item (a) if artificial cast stone is substituted for carved granite as specified under alternative No. 3, paragraphs 390 to 332 of specifications. (g) Amount and time to be deducted from net price under (a) if wood sheathing is substituted for gypsum roof construction, as specified under alternative No. 4, paragraphs 393 to 396 of specifications. (h) Amount and time to be deducted from net price under (a) if composition roofing is substituted for sheet copper as specified under alternative No. 5, paragraphs 397 to 407 of specifications. (i) Amount and time to be added to net price under (a) if entire roof construction of the present mess hall is rebuilt as specified under alternative No. 6, paragraph 408 of specifications. (j) Amount and time to be added to net price (a) if existing wood floor finish of the present mess hall is replaced with tile and cement mortar as specified under alternative No. 7, paragraph 409 of specifications. J. Henry Miller, Miller Bldg., Baltimore. (a) $2,597,000, time, 365 days, (b) $58,800, (c) $59,000, (d) $5000, (e) $3800, (f) $21,000, (g) $9400, (h) $17,000, alternate $9600, (i) $42,700, alternate $19,700, (j) $6500. P. J. Carlin Constr. Co., 1123 Bway., New York City, (a) $2,788,000, 760 days, (b) $95,000. (c) $45,000, (d) no change, (e) $10,000, (f) $10,000, (g) $5000, (h) $14,000, alternate $5000, (i) $40,000, alternate $12,000, (j) $10,000. George A. Fuller Co., Munsey Bldg., Wash., D. C., (a) $2,945,000, 415 days, (b) $100,000, (c) $96,000, (d) $10,000, (e) $9500, (f) $63,000, (g) $10,000, (h) $18,000, alternate, no change, (i) $70,000, alternate $10,000, (j) $9000. Noted June 28.

★**Wash., D. C.**—Bridges—Comr. of Indian Affairs, Wash., let contract steel highway bridges on Umatilla Indian Reservation to Monarch Eng. Co., 312 17th St., Denver, $26,000. Noted June 28.

Wash., D. C. — Cement — U. S. Engr. Office, Room 305 Southern Bldg., received low bids furnishing and delivering, at foot 35th St., here 15,000 bbl. of portland cement, from Security Cement and Lime Co., 107 Equitable Bldg., Baltimore, $1.81 per bbl.; Edison Portland Cement Co., 8 West 40th St., New York City, $1.84; National Mortar Co., 1st and M Sts., $1.94. Noted June 28.

★**Va., Hampton** — Buildings — Bureau Yards and Docks, Navy Dept., Wash., let contract temporary buildings, emergency camp, to Carolina Wood Product Co., Asheville, N. C., and Wise Granite Constr. Co., American Natl. Bank Bldg., Richmond, cost plus percentage.

Ia., Glenwood—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids, from C. Weitz & Sons, 713 Mulberry St., Des Moines, $38,820; C. E. Goodhand, Wahoo, Neb., $39,500; J. H. Wiese, 1301 Citizens Natl. Bank Bldg., Omaha, $42,910. Noted June 28.

★**Wyo., Ft. Laramie**—Canal—U. S. Rec. Ser. let contract excavating main canal on Ft. Laramie Project to J. E. Hilton, Lingle, $53,410. Noted June 28.

★**Cal., Vallejo** — Storehouse—Commandant, Navy Yard, Vallejo, let contract to Clinton Constr. Co., 140 Townsend St., San Francisco, $198,200. Noted June 14.

MISCELLANEOUS

Proposed Work

Terminal—Mobile, Ala.—Gulf Mobile & Northern R.R. plans to spend $500,000 to build first unit terminal improvement to consist of slip to accommodate several ships, pier above high water, rein.-con. stormproof wharf, series of warehouses, 5 and 6 stories high. Work will involve 4000 lin.ft. piers for accommodation of vessels, 2000 lin.ft. warehouses requiring 200,000 sq.ft. floor space. Lumber docks with frontage of 2000 ft. on Mobile Bay also contemplated. B. V. Wright, Laurel, Miss., ch. engr

Garbage Disposal Plant—Newport, Ky.—City plans About $40,000.

Garbage Disposal Plant—Chicago, Ill.—E. R. Pike, city comptroller, purchased site, Goose Island, for garbage disposal plant About $158,000.

Transmission Line—Springfield, Ill.—Pub. Utilities Comn. granted permission to Consolidated Ry. to extend transmission line over tracks of Chicago, Peoria & St. Louis R.R., Sangamon Ave. to 11th St. A. D. Mackie, genl. mgr.

Park Improvements—Salina, Kan.—City council purchased Kenwood Park and plans to improve same.

Sea Wall—Bay St. Louis, Mo.—See "Reinforced Concrete."

Transmission Line—Ark., Springdale—See "Industrial Works."

Tank—Seattle, Wash.—See "Reinforced Concrete."

Flood Protection—Santa Barbara, Cal.—City having plans prepared for controlling flood waters on lower east side. Present ditch will be dredged, banks raised and automatic drainage gates installed at every block. A. B. Cook, city engr.

Transmission Line — Sherbrooke, Que. — City voted $150,000 bonds to build transmission line from Sherbrooke to power plant at Two-Mile Falls.

BIDS DESIRED

Retaining Walls—Tehamah, Neb.—See "Reinforced Concrete."

Tunnels—San Francisco, Cal.—(Official) —Until Aug. 22, by Bd. Pub. Wks. building 18-mi. tunnel aqueduct, Hetchy Hetchy Water Supply Project. M. M. O'Shaughnessy, city engr.; advertised in this issue. Noted July 12.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Elevated Railway—Brooklyn, N. Y.—Pub. Ser. Comn., 120 Bway., New York City, received low bid building Route 49, Sect. 3, Culver Rapid Transit R.R. from point near Ave. X to Sheepshead Bay, from O. Daniels & Co., Woolworth Bldg., New York, $84,600. Noted June 28.

★**Docks — Buffalo, N. Y.** — (Official) — Comr. Pub. Wks. let contract improving, along Bird Island Pier, to Great Lakes Dredge & Dock Co., D. S. Morgan Bldg., about $189,000. Noted June 21.

Incinerator—Long Island City, N. Y.—M. E. Connolly, boro. pres., received low bids for building and runway, furnaces, appurtenances and chimneys of Ravenswood Destructor, 1st Ward, from Kelly & Kelley, 12th St., $173,800; R. B. Martin, $195,300.

★**Tanks—St. Joseph, Mo.**—See "Reinforced Concrete."

★**Harbor — Redondo Beach, Cal.** — City Trustees voted to enter into preliminary contract with Jessamere Constr. & Contr. Co., 42 Bway., New York City, to build harbor to cost about $4,000,000. City has voted $300,000 toward work, Hermosa Beach will raise similar amount and Atchison, Topeka & Santa Fe R.R. and other interests will raise $600,000 cash. Noted May 31.

Barney-Hocke-Ahlers Constr. Corp., New York, N. Y., has been incorporated to engage in construction, dredging and engineering. J. G. Hocke, J. G. Ahlers and W. J. Barney, 1187 Lexington Ave., incorporators.

Hayden-Corbett Chain Co., Columbus, O., plans to open a branch at Huntington, W. Va.

Lakewood Engineering Co., of Cleveland, announces that Carleton R. Dodge, recently of C. R. Dodge & Co., New York City, has been appointed assistant sales manager in charge of the Philadelphia territory, with offices in the Widener Building, and that George H. Edbrooke, until recently with C. R. Dodge & Co., New York City, has been made sales engineer of contractors' plant and equipment.

The Laurence Contracting Co., formerly located at 2409 Walton Ave., Bronx, New York, has moved to 90 Broadway, New York City.

New Jersey Shipbuilding and Dredging Co., Jersey City, N. J., has been incorporated with $500,000 capital stock to operate a general shipbuilding and dredging business. John F. Clarke Bayonne, Albert P. Margolies, Jersey City, and E. C. Moore, New York, incorporators

William M. Hind has resigned as general manager of the Buffalo Contractors' Plant Corp. of Buffalo, N. Y.

George R. Prout has been elected president of James Leffel & Co., Springfield, O., manufacturer of water turbines.

George Schautz Engr. Co., Inc., Buffalo, N. Y., has been incorporated to engage in a general contracting and engineering business. F. J. Leuthner, G. and J. A. Schautz, incorporators.

The Vulcan Steel Products Co., 120 Bway., New York, N. Y. has secured the services of E. J. Parker, New York manager of the Morgan Eng. Co., as sales manager of their machinery and tool department. They plan, at the present time, to open a chain of offices throughout Europe, Japan and China, etc., and Mr. Parker expects to leave New York very shortly and personally conduct this work abroad.

State Highway Comn., Commercial Natl. Bank Bldg., Raleigh, would like to receive catalogs and prices on the following machinery, etc.: Road signs, motor trucks, steam tractors, appliances for rural telephone systems, rural lighting systems, road oilers, power on the farm, asphalt equipment, dump wagons, wagon loading machinery and pamphlets on asphalts, tar and road oils. W. S. Fallis, engr.

TRADE CATALOGS

"Stanley" Cotton Belting. Stanley Belting Corp., 32-40 S. Clinton St., Chicago, Ill. Booklet. Pp. 8; 3½ x 6 in.; illustrated.

Filtros—The New Porous Mineral Medium. General Filtration Co., Inc., Cutler Building, Rochester, N. Y. Pamphlet. Pp. 32; 6 x 9 in.; illustrated. This contains detailed information regarding the manufacture, composition, shapes, grades, uses and applications of this material.

Electric Hoists. Sprague Electric Works, 527-531 W. 34th St., New York. Bulletin No. 48,923. Pp. 8 x 10½ in.; illustrated.

Electric Hoists. Lidgerwood Mfg. Co., 96 Liberty St., New York. Bulletin No. 20; Pp. 32; 9 x 12 in.; illustrated.

Erie Revolving Shovels. Ball Engine Co., Erie, Penn. Bulletin S-16. Pp. 16; 8½ x 11 in.; illustrated.

The Chesapeake Iron Works, Baltimore, Md., announce that they are confining their manufacturing entirely to overhead electric traveling cranes of 3-motor direct-current type of from 5 to 30 tons capacity, and that they are in a position to offer very satisfactory deliveries.

Wire Rope. Macomber & Whyte Rope Co., Kenosha, Wis. Catalog M. Pp. 128; 6½ x 10 in.; illustrated.

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Mechanical Stoker, Type "E." Combustion Engineering Co., 11 Broadway, New York. Bulletin B-2, Second Edition. Pp. 24; 6 x 9 in.; illustrated.

"The Story of the Chimney." The M. W. Kellogg Co., 90 West St., New York. Pamphlet. Pp. 14; 7 x 11 in. Illustrated. This is an interesting story of the origin and development of the chimney.

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